CO hang



FACTORY AUTOMATION

ELECTRONIC MULTI-MEASURING INSTRUMENT ME96SS





ME96 Super-S Series Ver.B Features

Variety of Complementary Features

Password Function

With the password function, the following items can be protected from an accidental execution.

No.	Password-protected item	No.	Password-protected item
1	Shift to the setting mode	5	Adjust the time limit of rolling demand
2	Reset the max./min. values	6	Reset the peak value of rolling demand
3	Reset the value of active energy, reactive energy and apparent energy	7	Reset the value of operating time
4	Reset the value of periodic active energy		

Special Primary Voltage/Current and Special Secondary Voltage are settable

(1) Special primary current

1A-30kA



32 UĿ

Znd <u>535</u>

(2) Special primary voltage

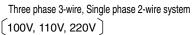
60V-750kV



(3) Special secondary voltage

Three phase 4-wire system

63.5V, 100V, 110V, 115V, 120V



Periodic Monitoring Function

Power consumption can be measured in three individual intervals (e.g., peak, off- peak and shoulder, etc.).

The time segments can be switched according to the setting via communication or the digital input (DI).

(The time segments cannot be switched manually (button operation).)



na l п **3**45878 Power consumption Power consumption



(period 2)



Power consumption (period 3)

(period 1)

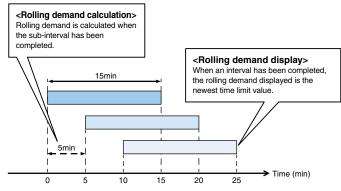
Rolling demand is the estimated power consumption in a specified period (interval).

For the block interval demand, select the duration (interval) of the block to be used for demand calculation.

1 Rolling block

Use rolling block to set the interval and sub-intervals from 1-60min (1min intervals). Rolling demand is calculated and updated at the end of each sub-interval. However, Present and predictive values are always calculated.

<Example: Interval, 15min; Sub-interval, 5min>

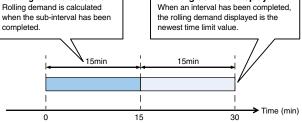


2 Fixed block

Use fixed block to set the interval from 1-60min (1min intervals). Rolling demand is calculated and updated at the end of each interval. However, Present and predictive values are always calculated.

(For fixed block, use the same time limits both of interval and sub-interval).







ME96SSRB-MB

Phase vire system 3-phase 3-wire (2CT, 2CT), 1-phase 3-wire, 1-phase 2-wire (common use) Current 5 A AC, 1 A AC (common use) 3-phase 3-wire, 12 Phase 2-wire (2CT), 1-phase 3-wire, 1-phase 2-wire (common use) S A AC, 1 A AC (common use) 3-phase 3-wire, 12 Phase 2-wire (CD, 11, Phase 2-wire, 12 Phase 3-wire, 12 Phase 3-wi	Model name						
Kating Gammal S. A.G. 1. A.G. (common use)				m	ME96SSRB-MB 3-phase 4-wire, 3-phase 3-wire (3CT, 2CT), 1-phase 3-wire, 1-phase 2-wire, (common use)		
Being Spage 4-bits: mar 277480 VAC Spage 3-bits: mar 277480 VAC Spage 3-bits: mar 277480 VAC Image 3-bits: mar 277480 VAC Freederity Spage 3-bits: mar 277480 VAC Spage 3-bits: mar 277							
Parting Particle Part Part Part Part Part Part Part Part	Guitent						
Image: mage:		F	Rating	Voltage			
Image of the second	Frequency		lating	- onago			
Network (N) Class Class Class Weakersment inters 0.2% 0.2% Connet (N) 0.1 (A.N. Ax Ax C.S. (A.N. Ax C.S. (AX C.S. (Frequency			
 Corrent (A) A.A. 20, A.B. A.A. A.D. 20, A.B. A.D.A. A.D. 20, A.B. A.D. A.D. A.D. A.D. A.D. A.D. A.D.			Trequency		Class		
Vestings (v) Viz V23 V3 Vor, U-G, U-Y, V1X V2N, Vor, U-A) Headsing provide (vi) Headsin provide (vi) Headsing provide (vi			Current (A)		A1, A2, A3, AN, AAVG		
Active gover (W) WI, WZ, WA, SW 40.7% Accentric sectory gover (W) WI, WZ, WA, SW 40.7% Accentric sectory gover (W) WI, WZ, WA, SW 40.7% Accentric sectory gover (W) WI, WZ, WA, SW 40.7% Accentric sectory gover (W) The protect Sectory gover (W) 40.7% Active sectory (W) Imported B, Esported II. Class 5.8 (EC60035-22) Active sectory (W) Imported B, Esported II. Class 5.8 (EC60035-22) Active sectory (W) Imported B, Esported II. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported II. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported II. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported III. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported III. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported III. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported III. Class 5.8 (EC60035-22) Active sectory (W) The protect A Esported III. Class 5.8 (EC60035-22) Active sectory Active sectory (W)<						±0.2%	
Meaning come (un) unit, unit, card, Sam 40.5% Meaning come (un) VM, UK, VK, SK,							
Measuring Measuring Measuring extent late (PF) Visit,					, , ,	±0.5%	
Heat with the second in the second							
Measuring Heatment Enciperation Provide a many (Vint) Imported iso, Imported iso, Exported iso, Exported iso, Exported iso, Exported iso, Imported iso, Imported iso, Exported iso, Exported iso, Exported iso, Imported iso, Imported iso, Imported iso, Imported iso, Provide iso, Imported iso,					, , -,	1	
Active energy (Wh) Imported. Exponded Case 0.55 (EC62005.24) Apparent energy (Wh) Imported + Exponded (ap, Exponded Indel, Expo							
Massaria elementi elementi elementi seventi resorted lag. Facebace resprove (box) Family (b) Family (b							
Performance voltage Production <	Maar	uring					
Harmonic outget (H) Total. If the 19-10 old degree only 1.0% Harmonic outget (H) Total. If the 19-10 old degree only 1.0% Bolling demand apprecent power (DVm) Rolling block. Evel (Bolling demand apprecent power (DVm) 1.0% Periodic active energy (W) Periodic active energy. 2 1.0% 1.0% Periodic active energy (W) Periodic active energy. 2 Periodic active energy. 3 Class 0.5S Operating time (L) Operating time 1.0 energy (Periodic active energy. 2 Periodic active energy. 3 Class 0.5S Operating time (L) Operating time 1.0 energy (Periodic active energy. 2 Periodic active energy. 4 Periodic active energy. 3 Class 0.5S Operating time (L) Operating time (L) Specifications Periodic active energy. 4					Imported + Exported	±2.0%	
Partmente veltagie (HV) Holin, "Ho SH PCA00 degree Gray = 0.5%. Provide determine prover (DVA) Reining demond apparent power (DVA) <td>0.0.</td> <td></td> <td colspan="2"></td> <td></td> <td>+1.0%</td>	0.0.					+1.0%	
Boling demand reactive prover (Dear) Roling block, Steng took,				(5)10			
Poling demand apparent power (DVA) Point Signer Stering Version 2005 (Seect ether of them according 2): Periodic active energy 2. Clista 0.5S Clista 0.5S Operating time (h) Operating time 2. Clista 0.5S (Reference) United control transformer atte (Auth) Auth (Reference) Visitage unbalance rate (Auth) Varia (Reference) Visitage unbalance rate (Auth) Varia (Reference) Visitage unbalance rate (Auth) Varia (Reference) Ansitiog output reagonse time 1 second or tises. HL PVS seconds or tess. HL PVS seconds or tess. (Reference) Measuring Instantaneous Value AV FMS Value calculation. W. vari. V. Vari. Versit. Visit. Net Not. PC Reling demand calculation Moasuring Derand Value AV FMS Value calculation. W. Vari. V. Vari. Versit. Net Reling demand calculation Moasuring data poglal section First to thind are indication. Af data. Forth line indication 6 digits. Hornonic RMS value. 4 digits. Hornonic RMS value. 4 digits. Hornonic RMS value. 4 digits. Contact Ingu/output. IO Display update time interval 0.5.1 is a leadedabit. Hornonic distor of raining value. 4 digits. Contact Ingu/output. IO Coging data type Maxeming data Moosuring value. 4 digits. Formin line inditation and at waling for alarm canculation						±0.5%	
Periodic active energy 2. Periodic active energy 2. Periodic active energy 3. [Class 0.55] Operating time 1. Operating time 1. Operating time 3. [Reference]. Current unbalance rate (Anti) Anti [Reference]. Corrent unbalance rate (Anti) Vanith Vanith [Reference]. Corrent unbalance rate (Anti) Vanith Vanith [Reference]. Corrent unbalance rate (Anti) Vanith Specifications [Reference]. Measuring Method Instantaneous Value PF. Prever rate calculation, UV, Van, Van, Van, Van, Van, Van, Van, Va						±1.0%	
Operating time (n) Operating time 1. Operating time 2 Internet unbalance rate (Xinb) Antb Internet (Inbalance rate (Xinb) Antalog output response time Internet (Inbalance rate (Xinb) Antalog output response (Xinb) Ant						Class 0.5S	
Current unbalance rate (Aurb) Aurb (Reference) CO: equivalent kg (Reference) Analog output response time 1 second or less (Hz 2 seconds or less, H1, H2 Second or less) (Reference) Method Instantaneous Value AV_FMS value entraneous Value AV_FMS value entraneous Value Display type CO: equivalent AV_FMS value entraneous Value AV_FMS value entraneous Value Display type CO with LED basicity (JU) AV_FMS value entraneous Value AV_FMS value entraneous Value Display type CO with LED basicity (JU) AV_FMS value value entraneous Value AV_FMS value value entraneous Value Display update time interval 0.5 s.t.s (selectable) AV_FMS value value entraneous Va				/			
ICO_equivalent kg [Petersnop] Analog output response time 1 second or less (Hz: 2 seconds or less. H, HY: 5 seconds or less.) Analog output response time Method Instantaneous Value CV FRS value calculation; M. arx, M. W. wart, VAIn: Digital multiplication; P. Prover ratio calculation; M. arx, M. W. wart, VAIn: Digital multiplication; Method Depiny: Type CO (C) meth LED pethod (FR) CO (C) meth LED pethod (FR) CO (FR) Mumber of display digits or segments Digital section CO (C) meth LED pethod (FR) CO (FR)			Current unbalance rate			· · · · · · · · · · · · · · · · · · ·	
Item Specifications Malage upput presones images in transmission of the second or less HL HV 5 seconds or less HL HV 5 sec				(Vunb)			
Analog output response time 1 second or less, H, H, Yz, Seconds or less, J, JZ, Seconds or less, JZ, Seconds or less			· · · ·			(Reference)	
Measuring Method Instantaneous Value A. V. FMS value calculation; W. var, Va, Wn, var, M. Yar, Dight multiplication; PF Power rate calculation; W. var, Var, Nar, Dight multiplication; PF Power rate calculation; M. Zarocross, HI, HV, FT Display Display type LCD with LED backlight Display type Number of display digits or segments Digital section Display type CCD with LED backlight Display Digital section Di Thermal type calculation; M. Var, Digital for the type type Communication Digital section Di Thermal type calculation; M. Zarocross, HI, HV, FT Display update time interval O.5 s. 1 s celectable) Display type Communication MODBUS FITU communication MoDBUS FITU communication Logging data type Measuring data " Measuring data " Measuring data " Measuring data " Measuring data " Measuring data Sectors, Blat other than integrated value: 15 tems, Total: A maximum of 20 tems data mice Builtin forging litems Measuring data Heyrarch value data Se tems, Data other than integrated value: 15 tems, Total: A maximum of 20 tems data mice Heyrarch value data Se tems, Data other than integrated value: 15 tems, Total: A maximum of 20 tems data mice Builtin forging litems Measuring data Heyrarch value data Se tems, Data							
Measuring Institution PF: Power ratio calculation, Hz: Zero-Cross HL, MY: FTT **********************************						ion [.]	
Method Demand Value De. Thermal type calculation, DW, Dvar, DW. Port, DW. Poling demand calculation Implement Display type LCD with LED backight LCD with LED backight Implement Display type LCD with LED backight First to third line indication: 4 digits, Fourth line indication: 4 digits Implement Display update time interval A, D.V., Wur, VW, PF, DW, Duar, DWA: 4 digits, Feature Interval 4 digits, Feature Interval Origing data type Logging mode A, DA, Wur, VW, PF, DW, Duar, DWA: 4 digits, Feature Interval 4 digits, Feature Interval Logging data type Measuring data " MonDBUS ETT U communication MonDBUS ETT U communication Mumber of logging items Measuring data and time data are line data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min) Time data at a darm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Measuring data Time data at a darm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Measuring data Time data at a darm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Measuring data Time data at a darm generating/cancellation mont (MO). Line voltage MarkMin (NO), Fougunery MarkMin (NA), Fougunery MarkMin (NA), Fo				Instantaneous Value		юп,	
Display Immer of display digits or Number of display digits or Number of display digits or Display update time interval First to third line indication: 4 digits, Fourth Interval also available); A, DA, V, Wer, VW, APF, DW, Devor, DWA 4 digits; Harancine dista or allow and the set of digits. Operating time 6 digits. Contact input/output. I/O Display update time interval 0.5 s, 1 1 6 effection ratio/content rate: 4 digits; Harancine dista contain trate: 4 digits; Harancine dista d		N	lethod	Demand Value		1	
Display egments Number of display digits or egments Digital section A.D. V. W. var. VA. PF, DW, Dver. DVA. 4 digits: 1:2 digits: 1:2 Wh, vark, NAP. 9 digits (edigits 12-digits 18:a canalish): Harmonic distortion ratio/content rate: 4 digits: 1:2 Operating time: 6 digits: Content input/output: 1/0 Image: Display update time interval 0.5 s. 1 a (selectable) 0.5 s. 1 a (selectable) Communication MODBUS RHU communication MODBUS RHU communication Logging data type Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 00 min). 0 min). Built-in logging data type Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 00 min). 1 min data at alarm generating/cancellation and at waiting for alarm cancellation Built-in logging dista type Alarm log 1 me runber of the set alarms 1 mercorded time data mercorde time data at alarm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Measuring data 1 mercorded time data at alarm generating/cancellation. 1 mercorded time data at alarm generating/cancellation and at waiting for alarm cancellation. Built-in logging period Alarm log 1 mercorde time data at alarm generating/cancellation. 1 mercorde time. Interval Alarm log 1 mercorde diame. 1 mercorde diame.			Display t	уре			
Display Number of usgand values of signification Digital section Win, vam, VAn. 9 digits (6-digit or 12-digits): 10 Display update time interval Digital section 0.5 s. 1 is celectable) Display update time interval 0.5 s. 1 is celectable) 0.5 s. 1 is celectable) 0.5 git is celectable) Macronic overwrite update time is display. Contract input column. 0.5 s. 1 is celectable) 0.5 s. 1 is celectable) 0.5 git is celectable) Measuring data Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, Time data at larm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Measuring data Integrated value data: 5 lisms, Data other than integrated value: 15 lisms, Total anarcher table waiting wark/lin (AVG). Total period (AVG). Frage voltage Max/Min (AVG), Total period react factor Max/Min (AVG). Total period react factor factor factor Max/Min (AVG). Total period react factor factor Max/Min (AVG). Total period react factor factor Max/Min (AVG). Total period factor factor factor factor factor factor factor factor factor Max/Min (AVG). Total period							
Bightimits Bightimits Display update time interval 0.5 s, 1 s (selectable) Communication MODBUS RTU communication Model Automatic overwrite update Logging mode Automatic overwrite update Logging data type Measuring data " Measuring data " Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min). Built-in Measuring data Time data at alterm generating/cancellation and at waiting for alarm cancellation MaxMin value MaxMin value data and time data MaxMin value data. 5 tiems, Data other than integrated value: 15 items, Total: A maximum of 20 items Built-in The recorded time of the MaxMin value data: 5 tiems, Data other than integrated value: 15 items, Total: A maximum of 20 items (Quoging period the set alarms) MaxMin (AVG), Total power factor MaxMin (AVG), Total power factor MaxMin (AVG), Housework (AVG), Proteaver, MaxMin (AVG), Total power factor MaxMin (AVG), Housework (Logging period the value), 400 days (Logging period: 30 minutes), 60 days (Logging period: 30 minutes), 120 day	Display			Digital section			
Image: Control provided time interval Operating time: 6 digits; Contact input/output: I/O Communication MODBUS RTU communication MoDBUS RTU communication MoDBUS RTU communication Measuring data rule Measuring data rule interval set at the data logging period. (15 min, 30 min, 50	Display	segments		Digital Section		iaits:	
Communication MODBUS RTU communication Logging mode Automatic overwrite update Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min). Alarm log Time data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min). Measuring data number of logging times Time data and time data and time data Mumber of logging times Measuring data MaxMin value Integrated value data: 5 tems, Data other than integrated value: 15 items, Total: A maximum of 20 items Measuring data Integrated value data: 5 tems, Data other than integrated value: 16 items. Control (AVG), Frequency Max/Min (AVG), Total active power Max/Min, (AVG), Total power factor Max/Min (AVG), Frequency Max/Min (AVG), Total active power Max/Min, (AVG), Total active power Max/Min, (AVG), Total power factor Max/Min (AVG), Frequency Max/Min (AVG), Total active power Max/Min, Max/Min, Total active power Max/Min, Total active power Max/Min, Total active prover Max/Min, Total active power Max/Min, Total active prover Max/Min, Total active power Max/Min, Total active power Max/Min, Total active power Max/Min, Total active power Max/Min, Total active max/Min, Total active power Max/Min, Total active power Max/Min, Total active power Max/Min, Total active power Max/Min, Total active max/Min qubactive active formatic max/Min active active active a							
Logging mode Automatic overwrite update Logging data type Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min) Built-in Measuring data and time data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min) Number of logging items Measuring data Integrated value data: 5 tems, Data other than integrated value: 15 tems, Total: A maximum of 20 tems for total is 19 tems. Current MaxMin (AVG), Prease voltage MaxMin (AVG), Frequency MaxMin (AVG), Total are benefits distortion ratio Max total. Built-in Measuring data The total is 19 tems. Current MaxMin (AVG), Inservoltage MaxMin (AVG), Frequency MaxMin (AVG), Frequency MaxMin (AVG), Trequency MaxMin							
Built-in logging data type Measuring data " Measuring data and time data are logged at the interval set at the data logging period. (15 min, 30 min, 60 min). Built-in logging data type Aiarm log Time data at alarm generating/cancellation and at waiting for alarm cancellation Mumber of logging items Time data at alarm generating/cancellation and at waiting data iterm gates value: 15 items, Total: A maximum of 20 items Alarm log Built-in logging The recorded time of the Max/Min value The number of the set alarms The recorded time of the Max/Min value The number of the set alarms The number of the set alarms Interractive power Max/Min (AVG), Total power factor Max/Min, (AVG), Frequency Max/Min (AVG), Total acive power factor Max/Min, Total appomer to record Max/Min, Total appomer to record Max/Min, Notal Approace Aiarm log Internal memory logging period Measuring data 100 records The recorded time of the Max/Min value The recorded time of the Max/Min value factor Monte acquire logging data Acquire the fogging data via MODELS® TRU Communication Time data value, 4000, 1000 records Connectable Optional Fluct, in Module Time of anovalatile memory. Measuring data via Non OLDS® RTU Communication Connectable Optional Fluct, in Module Max to 20 mA DC (0 to 600 c). Stress of convolatile memory. Pulse/Alarm output<							
Built-in logging data type Arm log The recorded time of the MaxMin value data and time data MaxMin value data and time data Number of logging items Measuring data Integrated value data: 5 tems, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Built-in logging Measuring data Integrated value data: 5 tems, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Mumber of logging items Measuring data Integrated value data: 5 tems, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Mumber of logging items Measuring data Integrated value data: 5 tems, Data other than integrated value: 15 items, Total Power MaxMin (AKG), Total power MaxMin (AKG), Foquercy MaxMin MaxMin value MaxMin value Measuring data 0 days (Logging period: 15 minutes), 60 days (Logging period: 30 minutes), 120 days (Logging period: 40 minutes), Measuring data 100 records 100 records MaxMin value 100 records 100 records MaxMin value Measuring data 100 records Connectable Optional Plug-in Module Measuring data Measuring data Connectable Optional Plug-in Module Measuring data Measuring data Connectable Optional Plug-in Module Measuring data Measuri			Logging n				
Built-in logging items The recorded time of the MaxMin value data and time data Number of logging items Measuring data Integrated value data: 5 items, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Built-in logging items The recorded time of the MaxMin value Integrated value data: 5 items, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Internal memory logging period The recorded time of the MaxMin value The total is 10 items: Current MaxMin (AVG), Total pacer for MaxMin (AVG), Frequency MaxMin Total reactive power MaxMin Total apparent power MaxMin (AVG), Frequency MaxMin Total reactive power MaxMin total parent power MaxMin (AVG), Frequency MaxMin walue, Harmonic line voltage distortion ratio Max total. Measuring data 40 days (Logging period: 15 minutes), 60 days (Logging period: 30 minutes), 120 days (Logging period: MaxMin value Measuring logging data 100 records The recorded time of the MaxMin value 100 records Munutes), 100 records Connectable Optional Plug-in Module Me 2210-SS98B, ME-0000DLS-SS96, ME-0000MT-SS96, ME-0000BL-SS96 Analog output Output specifications (Lod) Me to 20 m AD C (D to 600 q). Switch type Semiconductor relay/No-voltage a-contact Contact apacity 25 V OC, 0.1 A Pulse vidth 0.125 s, 0.5				Measuring data 1			
Built-in logging Max/Min value Min val		Logging	data type	Alarm log			
Built-in logging Maximi value Integrated value data: 5 items, Data other than integrated value: 15 items, Total: A maximum of 20 items Alarm log Built-in logging Measuring data Integrated value data: 5 items: Current MaxMin (AVG), Line voltage MaxMin (AVG), Frequency MaxMin (AVG), Total active power MaxMin (AVG), Dial power factor MaxMin (AVG), Frequency MaxMin (AVG), Tetal reactive power MaxMin (AVG), Total power factor MaxMin (AVG), Frequency MaxMin (AVG), Total reactive power MaxMin (AVG), Total power factor MaxMin (AVG), Frequency MaxMin (AVG) (AVG), Total reactive power MaxMin (AVG), Dial power factor MaxMin (AVG), Frequency MaxMin (AVG) (AVG), Total reactive power MaxMin (AVG), Total power factor MaxMin (AVG), Frequency MaxMin (AVG) (AVG), Total reactive power MaxMin (AUG), Total power factor MaxMin (AVG), Frequency MaxMin (AVG) (AVG), Total reactive power MaxMin (AUG), Total power factor MaxMin (AVG), Frequency MaxMin (AVG), The recorded time of the MaxMin value Alarm log 100 records Internal memory logging period Alarm log 100 records 1 record for every MaxMin value factor System log data Use of nonvolatile memory 1 record for every MaxMin value factor 1 record for every MaxMin Value factor Contect aceuracy 1 minute difference/Month (Vpical) Contect cape(1) module Met-210xSSB686, ME-0040C-SS96, ME-0002MT-SS96, ME-0002BU-SS96 Pulse/Alarm output Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Contact capacity Contact capacity 24 V DC (19 V to 3					Max/Min value data and time data		
Built-in logging Alarm log The number of the set alarms Built-in logging The recorded time of the Max/Min value The recorded time of the Max/Min (AVG). Frequency Max/Min (AVG). Prease voltage Max/Min (AVG). The total is 18 terms: Current Max/Min (AVG). Total accetive power Max/Min, Total apprent power Max/Min, Total anomer total accetive power Max/Min, Total apprent power Max/Min, Total anomer total accetive on the Max/Min value 100 records Internal memory logging data Use of nonvolatile memory 100 records Saving logging data Use of nonvolatile memory 100 records Contact accuracy 1 minute difference/Month (typical) 100 records Contact act dupt Output specifications (Load) 4 mA to 20 mA DC (0 to 600 2) Semiconductor relay/No-voltage a-contact Contact appacity Semicondu						Total: A maximum of 00 ite	
Built-in logging Number of logging items The total is 19 items: Current Max/Min (XVG), Line voltage Max/Min (XVG), Telerouncy Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Total reactive power Max/Min (XVG), Total apparent power Max/Min (XVG), Max/Min value Measuring data Measuring data 30 days (Logging period: 15 minutes), 60 days (Logging period: 30 minutes), 100 records Alarm log 100 records The recorded time of the Max/Min value 1 record for every Max/Min value factor Max/Min value 1 secord for every Max/Min value factor Max/Min value 1 record for every Max/Min value factor Max/Min value 1 record for every Max/Min value factor Max/Min value 1 record for every Max/Min value factor Max/Min value 1 record for every Max/Min value factor Max/Min value 1 record for every Max/Min value factor Max/Min value Acquire the logging data via MODBUS* RTU Communication Contact capacity Mouti teveperifications (Load) <t< td=""><td></td><td colspan="2" rowspan="2">Number of Isonian items</td><td>×</td><td></td><td colspan="2">Integrated value data: 5 items, Data other than integrated value: 15 items, Total: A maximum of 20 items</td></t<>		Number of Isonian items		×		Integrated value data: 5 items, Data other than integrated value: 15 items, Total: A maximum of 20 items	
Built-in logging within a logging techns in the mecorded time of the max/bit (AVG), Total active power Max/Min (AVG), Total apower factor Max/Min (AVG), Frequency Max/Min (AVG), Total reactive power Max/Min (Total apoment power Max/Min, Total apoment current RMS Max value, Harmonic line voltage distortion ratio Max total, Harmonic phase voltage distortion ratio Max total 30 days (Logging period: 30 dinutes), Alarm log 100 records The recorded time of the Max/Min value 100 records 100 records				Alaminog		a). Phase voltage Max/Min	
logging Max/Min Value Total tracticle (power max/Min, total paper in power max/Min, total paper in paper in the max/Min, total that mox/Min, total paperind in the max/Min, total pa	Built-in	Number	or logging items		(AVG), Total active power Max/Min (AVG), Total power factor Max/Min (AV	G), Frequency Max/Min (AVG),	
Measuring data Neasuring data Neasuri				Max/Min value			
Internal memory logging period Marm log 100 records Alarm log 100 records System log data 100 records Saving logging data 100 records Saving logging data Use of nonvolatile memory How to acquire logging data Acquire the logging data via MODBUS® RTU Communication Connectable Optional Plug-in Module ME-4210-SS96B, ME-0040C-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (to to 600 c) Switch type Semiconductor relay/No-voltage a-contact Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Emiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse width 30 ms or more Contact capacity Singlinglinglinglinglinglinglinglinglingl	50 5						
Internal memory logging period Alarm log The recorded time of the Max/Min value 100 records Saving logging data 100 records Saving logging data Use of nonvolatile memory. How to acquire logging data Acquire the logging data via MODBUS® RTU Communication Connectable Optional Plug-in Module ME-6210-SS96, ME-0000MT-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Connectable Optional Plug-in Module ME-6210-SS96, ME-0000BU-SS96, ME-0000BU-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Q) Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Contact capacity Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 240 V AC) Rower interruption backup Built-in logging Use of nonvolatile memory (Idems: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, reling demand, operating time) VA Consumption Built-in logging Use of nonvolatile memory (Logging data, System log data) Voltage c		Internal memory logging period		Measuring data		,, .== 20,0 (Eogging ponou.	
Max/Min value Trecord for every Max/Min value factor System log data 100 records Saving logging data Use of nonvolatile memory How to acquire logging data Acquire the logging data wit MODBUS® RTU Communication Connectable Optional Plug-in Module ME-4210-SS968, ME-0052-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Switch type Semiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse/Alarm output Contact capacity 24 V DC (19 to 30 V DC), 7 mA or less Contact input (DI) Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Semiconductor relay/No-voltage a-contact Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, foling demand, operating time) VA Consumption Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Each phase: 0.1 VA Auxiliary power circuit Auxiliary power circuit 13 VA (at 110 V AC), 14 VA (at 220 V AC), 0.4 VA (at 440 V AC) <td></td> <td></td> <td></td> <td></td>							
Indexinit value Indexinit value System log data 100 records Saving logging data Use of nonvolatile memory How to accuire logging data Acquire the logging data via MODBUS [®] RTU Communication Clock accuracy 1 minute difference/Month (typical) Connectable Optional Plug-in Module ME-4210-SS96B, ME-0040C-SS96, ME-0052-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Q) Switch type Semiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse/Alarm output Contact capacity 35 V DC, 0.1 S Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Built-in logging Use of nonvolatile memory (Longging data, System log data) VA Consumption Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power Auxiliary power 100 V to 240 V AC (-130% +15%)					1 record for every Max/Min value factor		
Saving logging data Use of nonvolatile memory How to acquire logging data Acquire the logging data via MODBUS® RTU Communication Clock accuracy 1 minute difference/Month (typical) Connectable Optional Plug-in Module ME-4210-SS96B, ME-0040C-SS96, ME-0052-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Switch type Semiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse/Alarm output Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Contact input (DI) Signal width 0.125 s, 0.5 s, 1.0 s Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup energy, periodic active energy, relactive energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) WA Consumption Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power 100 V to 240 V AC (110 V AC), 100 V to 240 V AC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method <td< td=""><td></td><td></td><td>Suctor los</td><td></td><td></td><td></td></td<>			Suctor los				
How to acquire logging data Acquire the logging data via MODBUS [®] RTU Communication Clock accuracy 1 minute difference/Month (typical) Connectable Optional Plug-in Module ME-4210-SS96B, ME-0002-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Switch type Semiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse/Alarm output Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Contact output (DD) Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Semiconductor relay/No-voltage a-contact Power interruption backup Built-in logging Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power circuit Each phase: 0.1 VA Auxiliary power circuit Each phase: 0.1 VA Auxiliary power circuit							
Clock accuracy 1 minute difference/Month (typical) Connectable Optional Plug-in Module ME-4210-SS96B, ME-0040C-SS96, ME-0052-SS96, ME-0000MT-SS96, ME-0000BU-SS96 Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Pulse/Alarm output Output Specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Semiconductor relay/No-voltage a-contact Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Power interruption backup Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Use of nonvolatile memory (Logging data, System log data) Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) VA (at 110 V AC), 14 VA (at 120 V AC), 9 W (at 100 V DC) Meight 0.5 kg 0.5 kg 0.5 kg 0.5 kg 0.5 kg 0.5 kg 0.5 k							
Analog output Output specifications (Load) 4 mA to 20 mA DC (0 to 600 Ω) Pulse/Alarm output Switch type Semiconductor relay/No-voltage a-contact Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Contact input (DI) Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Wee of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing	1 00 0		00 0	1 minute difference/Month (typical)			
Switch type Semiconductor relay/No-voltage a-contact Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Contact input (DI) Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Use of nonvolatile memory (Logging data, System log data) VA Consumption Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA (at 110 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V AC), 9 W (at 100 V DC) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing -5°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing <						ME-0000BU-SS96	
Pulse/Alarm output Contact capacity 35 V DC, 0.1 A Pulse width 0.125 s, 0.5 s, 1.0 s Contact input (DI) Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 200 V AC), 9.4 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing		Anal	og output				
Pulse width 0.125 s, 0.5 s, 1.0 s Contact input (DI) Contact capacity 24 V DC (19 V to 30 V DC), 7 mA or less Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Built-in logging Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Cut at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing							
Contact input (DI) Contact capacity Signal width 24 V DC (19 V to 30 V DC), 7 mA or less Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Switch type Semiconductor relay/No-voltage a-contact Built-in logging Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) VA Consumption Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing	Pulse width		nam ouiput				
Contact input (DI) Signal width 30 ms or more Contact output (DO) Switch type Semiconductor relay/No-voltage a-contact Power interruption backup Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power circuit 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Mounting method Dimensions 96 (H) × 96 (W) × 90 (D) mm Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing							
Power interruption backup Use of nonvolatile memory (Items: settings, MAX/MIN value, active energy, reactive energy, apparent energy, periodic active energy, rolling demand, operating time) Wasser interruption backup Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC) Meight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing		Conta	ct input (DI)		30 ms or more		
Power interruption backup energy, periodic active energy, rolling demand, operating time) or interruption backup Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing		Contact	t output (DO)	Switch type			
Built-in logging Use of nonvolatile memory (Logging data, System log data) VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Each phase: 0.1 VA Auxiliary power 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC) (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing						gy, reactive energy, apparent	
VA Consumption Voltage circuit Each phase: 0.1 VA (at 110 V AC), 0.2 VA (at 220 V AC), 0.4 VA (at 440 V AC) Current circuit Each phase: 0.1 VA Auxiliary power Current circuit Each phase: 0.1 VA Auxiliary power 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power circuit 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 0.0 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/ humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing	F	-ower inte	rruption backup	Built-in locaina			
VA Consumption Current circuit Each phase: 0.1 VA Auxiliary power 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/ humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing	VA Consumption Voltage circuit Current circuit Auxiliary power circuit						
Auxiliary power circuit 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) Auxiliary power 100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%) Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing							
Weight 0.5 kg Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing				13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC)			
Dimensions 96 (H) × 96 (W) × 90 (D) mm Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing					100 V to 240 V AC (±15%), 100 V to 240 V DC (-30% +15%)		
Mounting method Embedded Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/ humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing							
Operating temperature/humidity -5°C to +55°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing Storage temperature/ humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing				d			
Storage temperature/ humidity -25°C to +75°C (Daily average temperature: 35°C or less), 0% to 85% RH, Non condensing							
	Note 1						

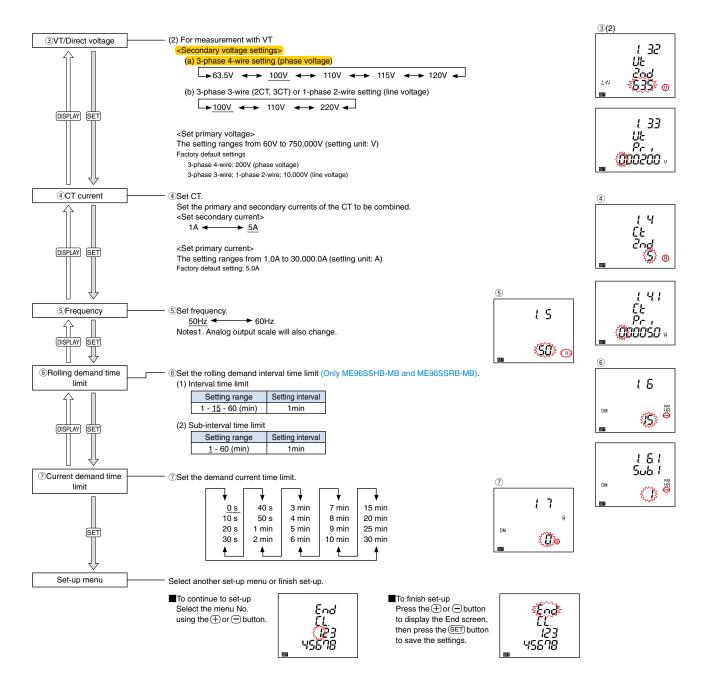
K1242*

A/G LHNAVG

ME9655-vera

Note 1. The class value represents the ratio to the rated value (100%). Note 2. For measurement where the harmonic distortion ratio (content rate) is 100% or more, the class can exceed ±1.0%. Note 3. Harmonic current cannot be measured without voltage input. Note 4. Using the conventional ME-4210-SS96 (Optional Plug-in Module), the CE marking and UL standards safety certification requirements cannot be met. *1: Integrated values (Wh, varh, and VAh) are measured values of ME96SS. They are not differential values by logging period.





ME9655-WAR

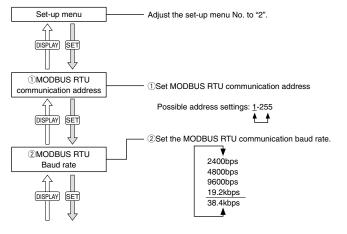
4600 1302 1909

5856**85**

AG

HIANG

Set-up menu 2: MODBUS RTU Communication settings (When ME-0040C-SS96 and ME-0000MT-SS96 are not installed)











Wiring

1 Applicable Cable Size

The table on the right describes the applicable wire size.

Part	Screw type	Wire specifications	Tightening torque
Product main body (auxiliary power supply, voltage input, current input and MODBUS RTU communication terminals)	M3	• Use of crimp-style terminals: AWG26 to 14 (2 wires can be connected.) Applicable crimp-style terminal: OD of 6 mm or less, for screw M3	0.6 to 0.8 N·m
Optional unit terminal (ME-0052-SS96, ME-0040C-SS96, ME-4210-SS96B)	Screwless	Single wire and stranded wire: AWG24 to 14 (Rod terminal can be used together with stranded wire.) Wire stripping length: 10 to 11 mm '1: To conform to UL Standard, use in accordance with the following requirements. Single wire and stranded wire: AWG24 to 18	_

ME9655-ver.8

4600

1302 1909 885885

AG

HIAIG

2 Wiring

Optional Plug-in Module Terminal

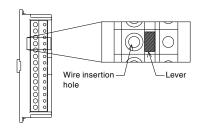
- ①Remove the wire casing at the end of the wire and solder to the rod terminal. 2 With the lever pushed in, insert the wire and
- then release the lever to connect.

3 Confirmations

After wiring, make sure the following:

- □ All wiring is connected
- There is no misitake in wiring

Optional Plug-in Module Terminal

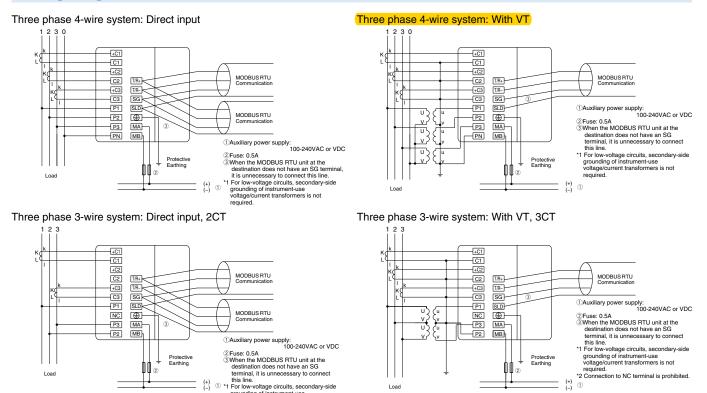


	Protective sheet
	There is a protective sheet covering the LCD screen to prevent scratching during panel installation. Please remove the sheet before using the meter. When removing the sheet, the LCD may turn on due to the static electricity generated. This is not abnormal; the LCD will turn off after a short time.
Note	Installation position
	If installing the unit at the panel edge, choose an installation position where there is sufficient space for wiring work.
	Optional unit
	Turn the auxiliary power supply off before attaching the optional unit. If attached with the power on, the main unit will not recognize the optional unit. To remedy this, turn off/restart the auxiliary power supply or execute the "instrument restart" operation

Wiring Diagrams

ΠN

Load



Load

30

QQ 2

> (+) (-) 1



Wiring Diagrams (Continued)

	 Pulse output, alarm output, and contact input/output cables must not be in close proximity or bundled with power cables or high-voltage cables. When laid parallel, separate by the distance shown in the following table.
	Condition Distance
	Power lines of 600V or less 300mm or more
	Other power lines 600mm or more
Note	 Analog output cables must not be in close proximity or bundled with other power cables or input cables (e.g., VT, CT, auxiliary power supply). In addition, to prevent noise, surge and induction, use shielded cables or twisted-pair cables. Make sure that cables are as short as possible. There is no insulation between the MODBUS RTU communication portion and the optional module ME-4210-SS96B, ME-0040C-SS96 or ME-0000MT-SS96. Use only designated cables when connecting the CC-Link (see communication specifications). CC-Link dedicated cables cannot be used at the same time as CC-Link dedicated high-performance cables. Normal data transmission cannot be guaranteed if used at the same time. The terminal resistance value varies depending on the type of dedicated cable. For cables connecting the CC-Link, connect shielded cables to "SLD" and ground "FG" cables. "SLD" and "FG" cables are connected inside the unit. CC-Link transmission lines are small signal circuits: separate from strong electrical circuits by a distance of 10cm or more, or 30cm or more if laid in parallel over a long distance. For CC-Link transmission, always use dedicated lines and comply with conditions for total wiring distance, distance between stations and terminal resistance values according to the communication speed. Not doing so may prevent normal communication (see the CC-Link Master Unit Operations Manual for information on dedicated lines and wiring conditions). The terminal resistance supplied with the CC-Link Master Unit must always be used for the units at both ends of the CC-Link transmission line. If the meter is at the end of the CL-Link Master Unit must always be used for the units at both ends of the CC-Link transmission line. If the meter is at the end of the CL-Link Master Unit must always be used for the units at both ends of the CC-Link transmission line. If the met
	11. Do not insert or remove the SD memory card in the live state.

ME9655-vera

4600 1302 1909

88588**5**

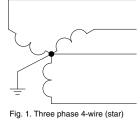
AG

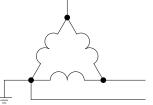
+MA/G

Connection Phase/Wire Rated voltage Figure Three phase 4-wire Star Max. 277VAC (L-N)/480VAC(L-L) Figure 1 Delta Max. 220VAC (L-L) Figure 2 Three phase 3-wire Max. 440VAC (L-L) Star Figure 3 Figure 4 Single phase 3-wire Max. 220VAC (L-N)/440VAC(L-L) -Delta Max. 220VAC (L-L) Figure 5 Single phase 2-wire* Max. 440VAC (L-L) Star Figure 6

Rated voltage for each phase/wire system

* The circuit derived from the three-phase 3-wire delta connection and the single-phase 2-wire transformer circuit have the maximum rating of 220 VAC. The circuits derived from the three-phase 4-wire and three-phase 3-wire star connections and single-phase 3-wire connection have the maximum rating of 440 VAC.





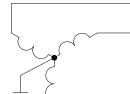
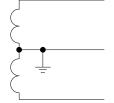


Fig. 3. Three phase 3-wire (star)



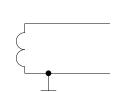


Fig. 2. Three phase 3-wire (delta)

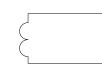


Fig. 4. Single phase 3-wire

Fig. 5. Single phase 2-wire (delta)

Fig. 6. Single phase 2-wire (star)