

MITSUBISHI Energy Measuring Devices
Multi-measuring Instrument
SALES & SERVICES

NO. YAMA363A

TYPEs : ME96SS series

Discontinued guidance of ELECTRONIC MULTI-MEASURING INSTRUMENT






We would like to inform that we will cease production of Electronic Multi-measuring instruments ME96SS Series.

1. Types

ME96SSHA-MB, ME96SSRA-MB, ME96SSEA-MB

2. Discontinued and replacement model

Basic device

| | Discontinued model | Replacement model | |
|------------|---|---|---|
| Series | ME96SS Ver.A series | ME96SS Ver.B series | |
| Model | ME96SSHA-MB (High-performance model) ME96SSRA-MB (Standard model) ME96SSEA-MB (Economy model) | ME96SSHB-MB (High-performance model) ME96SSRB-MB (Standard model) ME96SSEB-MB (Economy model) | |
| Appearance |  |  | |
| | Front view | Front view | |
| |  |  |  |
| | Side view common to all models | Side view of model ME96SSEB-MB | Side view of model ME96SSRB-MB and ME96SSHB-MB |

3. Time of discontinued

<Original date of discontinued by Sales&Services YAMA363>:
Stop receiving orders : December, 2020
Production stop : January, 2021

<New date of discontinued>:
Stop receiving orders : July 16th, 2020

4. Reason for change

We had had sufficient parts of ME96SS Ver.A series when we announced the discontinuation in January 2020(YAMA363). However since the order of Ver.A extremely surpassed our estimation, we have to shift the date of stop receiving order and producing of ME96SS Ver.A series to an earlier time.
Sorry for this inconvenience but we would appreciate your understanding on this situation.

5.Comparative table of High-performance model

| Type | | ME96SSHA-MB | ME96SSHB-MB | | |
|--|--|--|--|--|-------------|
| Dimension | | 96 (H) × 96 (W) × 90 (D) | same | | |
| Terminal | | M3 screw | same | | |
| Phase wire system | | 3-PHASE 4-WIRE, 3-PHASE 3-WIRE(3CT, 2CT), 1-PHASE 3-WIRE, 1-PHASE 2-WIRE (common use) | same | | |
| Rating | Current | 5 A AC, 1 A AC (common use) | same | | |
| | Voltage | 3-PHASE 4-WIRE: max AC277/480V 3-PHASE 3-WIRE: (DELTA)max AC220V, (STAR)max AC440V 1-PHASE 3-WIRE: max AC220/440V 1-PHASE 2-WIRE: (DELTA)max AC220V, (STAR)max AC440V | same | | |
| | Frequency | 50 Hz or 60 Hz (common use) | same | | |
| Item | | Measurement Item | Accuracy | Measurement Item | Accuracy |
| Measurement elements | Current (A) | A1, A2, A3, AN, A _{AVG} | ±0.1% | same | |
| | Current Demand (DA) | DA1, DA2, DA3, DAN, DA _{AVG} | | | |
| | Voltage (V) | V12, V23, V31, V _{AVG} (L-L), V1N, V2N, V3N, V _{AVG} (L-N) | | | |
| | Active Power (W) | W1, W2, W3, ΣW | ±0.2% | same | |
| | Reactive Power (var) | var1, var2, var3, Σvar | | | |
| | Apparent Power (VA) | VA1, VA2, VA3, ΣVA | | | |
| | Power Factor (PF) | PF1, PF2, PF3, ΣPF | ±0.2% | same | |
| | Frequency (Hz) | Hz | ±0.1% | same | |
| | Active Energy (Wh) | Imported, Exported | class0.5S | same | |
| | Reactive Energy (varh) | Imported Lag, Imported Lead, Exported Lag, Exported Lead | class1S | same | |
| | Apparent Energy (VAh) | Imported + Exported | ±2.0% | same | |
| | Harmonic current (HI) | 1 to 31th (Only odd number) | ±1.0% | same | |
| | Harmonic voltage (HV) | 1 to 31th (Only odd number) | | | |
| | Rolling Demand(DW) | Rolling Block, Fixing Block | ±0.2% | same | |
| | Rolling Demand(Dvar) | Rolling Block, Fixing Block | ±1.0% | same | |
| | Rolling Demand(DVA) | Rolling Block, Fixing Block | ±1.0% | same | |
| | Periodic Active Energy (Wh) | Periodic Active Energy 1, Periodic Active Energy 2 | class0.5S | Periodic Active Energy 1, Periodic Active Energy 2, Periodic Active Energy 3 | class0.5S |
| | Operation time (h) | Operation time 1, Operation time 2 | (Reference) | same | |
| | Current Unbalance Rate (Aunb) | - | | ○ | (Reference) |
| | Voltage Unbalance Rate (Vunb) | - | | ○ | (Reference) |
| CO2 Equivalent | - | | ○ | (Reference) | |
| LCD viewing-angle | Upper 10° Lower 60° Left 60° Right 60° | | Upper 60° Lower 60° Left 60° Right 60° | | |
| Display updating time interval | 0.5 s, 1 s | | same | | |
| Communication Specification | MODBUS®RTU communication | | same | | |
| Built-in logging function (Measurement data, Min/max log , Alarm log and System log) | - | | ○ | | |
| Accessible option unit (*1) | ME-4210-SS96 ME-0040C-SS96 ME-0052-SS96 ME-0000BU-SS96 ME-0000MT-SS96 | | ME-4210-SS96B ME-0040C-SS96 ME-0052-SS96 ME-0000BU-SS96 ME-0000MT-SS96 | | |
| VA Consumption | VT | 0.1 VA / phase (at 110 V AC), 0.2 VA / phase (at 220 V AC), 0.4 VA / phase (at 440 VAC) | same | | |
| | CT | 0.1VA / phase | same | | |
| | Auxiliary power | 7 VA (at 110 V AC), 8 VA (at 220 V AC), 5 W (at 100 V DC) | 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) | | |
| Auxiliary power | 100 to 240 V AC (±15%), 100 to 240 V DC (-30% +15%) | same | | | |
| Weight | 0.5 kg | same | | | |
| Attachment Method | Embedded type | same | | | |
| Operating temperature/humidity | -5°C to +55°C (Daily average temperature: 35°C or less), 0 to 85% RH, non-condensing | same | | | |
| Storage temperature/ humidity | -2°C to +75°C (Daily average temperature: 35°C or less),0 to 85% RH, non-condensing | same | | | |

*1 See SALES & SERVICES(YAMA359) for ME-4210-SS96 option unit.

6.Comparative table of standard model

| Type | | ME96SSRA-MB | ME96SSRB-MB | | |
|--------------------------------|--|--|-------------|--|-------------|
| Dimension | | 96 (H) × 96 (W) × 90 (D) | same | | |
| Terminal | | M3 screw | same | | |
| Phase wire system | | 3-PHASE 4-WIRE, 3-PHASE 3-WIRE(3CT, 2CT), 1-PHASE 3-WIRE, 1-PHASE 2-WIRE (common use) | same | | |
| Rating | Current | 5 A AC, 1 A AC (common use) | same | | |
| | Voltage | 3-PHASE 4-WIRE: max AC277/480V 3-PHASE 3-WIRE: (DELTA)max AC220V, (STAR)max AC440V 1-PHASE 3-WIRE: max AC220/440V 1-PHASE 2-WIRE: (DELTA)max AC220V, (STAR)max AC440V | same | | |
| | Frequency | 50 Hz or 60 Hz (common use) | same | | |
| Item | | Measurement Item | Accuracy | Measurement Item | Accuracy |
| Measurement elements | Current (A) | A1, A2, A3, AN, A _{AVG} | ±0.2% | same | |
| | Current Demand (DA) | DA1, DA2, DA3, DAN, DA _{AVG} | | | |
| | Voltage (V) | V12, V23, V31, V _{AVG} (L-L), V1N, V2N, V3N, V _{AVG} (L-N) | | | |
| | Active Power (W) | W1, W2, W3, ΣW | ±0.5% | same | |
| | Reactive Power (var) | var1, var2, var3, Σvar | | | |
| | Apparent Power (VA) | VA1, VA2, VA3, ΣVA | | | |
| | Power Factor (PF) | PF1, PF2, PF3, ΣPF | ±0.5% | same | |
| | Frequency (Hz) | Hz | ±0.1% | same | |
| | Active Energy (Wh) | Imported, Exported | class0.5S | same | |
| | Reactive Energy (varh) | Imported Lag, Imported Lead, Exported Lag, Exported Lead | class1S | same | |
| | Apparent Energy (VAh) | Imported + Exported | ±2.0% | same | |
| | Harmonic current (HI) | 1 to 19th (Only odd number) | ±1.0% | same | |
| | Harmonic voltage (HV) | 1 to 19th (Only odd number) | | | |
| | Rolling Demand(DW) | Rolling Block, Fixing Block | ±0.5% | same | |
| | Rolling Demand(Dvar) | Rolling Block, Fixing Block | ±1.0% | same | |
| | Rolling Demand(DVA) | Rolling Block, Fixing Block | ±1.0% | same | |
| | Periodic Active Energy (Wh) | Periodic Active Energy 1, Periodic Active Energy 2 | class0.5S | Periodic Active Energy 1, Periodic Active Energy 2, Periodic Active Energy 3 | class0.5S |
| | Operation time (h) | Operation time 1, Operation time 2 | (Reference) | same | |
| | Current Unbalance Rate (Aunb) | - | | ○ | (Reference) |
| | Voltage Unbalance Rate (Vunb) | - | | ○ | (Reference) |
| CO2 Equivalent | - | | ○ | (Reference) | |
| LCD viewing-angle | Upper 10° Lower 60° Left 60° Right 60° | Upper 60° Lower 60° Left 60° Right 60° | | | |
| Display updating time interval | 0.5 s, 1 s | same | | | |
| Communication Specification | MODBUS®RTU communication | same | | | |
| Accessible option unit (*1) | ME-4210-SS96 ME-0040C-SS96 ME-0052-SS96 ME-0000BU-SS96 ME-0000MT-SS96 | ME-4210-SS96B ME-0040C-SS96 ME-0052-SS96 ME-0000BU-SS96 ME-0000MT-SS96 | | | |
| VA Consumption | VT | 0.1 VA / phase (at 110 V AC), 0.2 VA / phase (at 220 V AC), 0.4 VA / phase (at 440 V AC) | same | | |
| | CT | 0.1VA / phase | same | | |
| Auxiliary power | 7 VA (at 110 V AC), 8 VA (at 220 V AC), 5 W (at 100 V DC) | 13 VA (at 110 V AC), 14 VA (at 220 V AC), 9 W (at 100 V DC) | | | |
| Auxiliary power | 100 to 240 V AC (±15%), 100 to 240 V DC (-30% +15%) | same | | | |
| Weight | 0.5 kg | same | | | |
| Attachment Method | Embedded type | same | | | |
| Operating temperature/humidity | -5°C to +55°C (Daily average temperature: 35°C or less), 0 to 85% RH, non-condensing | same | | | |
| Storage temperature/ humidity | -2°C to +75°C (Daily average temperature: 35°C or less),0 to 85% RH, non-condensing | same | | | |

*1 See SALES & SERVICES(YAMA359) for ME-4210-SS96 option unit.

7.Comparative table of economy model

| Type | | ME96SSEA-MB | ME96SSEB-MB | | |
|--------------------------------|-----------------------|--|--|------------------------|-----------|
| Dimension | | 96 (H) × 96 (W) × 90 (D) | 96 (H) × 96 (W) × 36 (D) | | |
| Terminal | | M3 screw | same | | |
| Phase wire system | | 3-PHASE 4-WIRE, 3-PHASE 3-WIRE(3CT, 2CT), 1-PHASE 3-WIRE, 1-PHASE 2-WIRE (common use) | same | | |
| Rating | Current | 5 A AC, 1 A AC (common use) | same | | |
| | Voltage | 3-PHASE 4-WIRE: max AC277/480V 3-PHASE 3-WIRE: (DELTA)max AC220V, (STAR)max AC440V 1-PHASE 3-WIRE: max AC220/440V 1-PHASE 2-WIRE: (DELTA)max AC220V, (STAR)max AC440V | same | | |
| | Frequency | 50 Hz or 60 Hz (common use) | same | | |
| Item | Measurement Item | Accuracy | Measurement Item | Accuracy | |
| Measurement Elements | Current (A) | A1, A2, A3, AN, A _{AVG} | ±0.5% | same | |
| | Current Demand (DA) | DA1, DA2, DA3, DAN, DA _{AVG} | ±0.5% | same | |
| | Voltage (V) | V12, V23, V31, V _{AVG} (L-L), V1N, V2N, V3N, V _{AVG} (L-N) | ±0.5% | same | |
| | Active Power (W) | W1, W2, W3, ΣW | ±0.5% | same | |
| | Reactive Power (var) | - | | var1, var2, var3, Σvar | ±0.5% |
| | Apparent Power (VA) | - | | VA1, VA2, VA3, ΣVA | ±0.5% |
| | Power Factor (PF) | PF1, PF2, PF3, ΣPF | ±0.5% | same | |
| | Frequency (Hz) | Hz | ±0.2% | Hz | ±0.2% |
| | Active Energy (Wh) | Imported | class0.5S | Imported, Exported | class0.5S |
| | Harmonic current (HI) | total | ±2.0% | same | |
| | Harmonic voltage (HV) | total | ±2.0% | same | |
| | Operation time (h) | Operation time 1, Operation time 2 | (Reference) | same | |
| | LCD viewing-angle | | Upper 10° Lower 60° Left 60° Right 60° | same | |
| Display updating time interval | | 0.5 s, 1 s | same | | |
| Communication Specification | | MODBUS RTU communication | same | | |
| Accessible option unit | | - | same | | |
| VA Consumption | VT | 0.1 VA /phase (at 110 V AC), 0.2 VA /phase (at 220 V AC), 0.4 VA /phase (at 440 VAC) | same | | |
| | CT | 0.1 VA / phase | same | | |
| | Auxiliary power | 7 VA (at 110 V AC), 8 VA (at 220 V AC), 5 W (at 100 V DC) | 4 VA (at 110 V AC), 5 VA (at 220 V AC), 3 W (at 100 V DC) | | |
| Auxiliary power | | 100 to 240 V AC (±15%), 100 to 240 V DC (-30% +15%) | same | | |
| Weight | | 0.5 kg | 0.5 kg | | |
| Attachment Method | | Embedded type | same | | |
| Operating temperature/humidity | | -5°C to +55°C (Daily average temperature: 35°C or less), 0 to 85% RH, non-condensing | same | | |
| Storage temperature/ humidity | | -2°C to +75°C (Daily average temperature: 35°C or less),0 to 85% RH, non-condensing | same | | |