

S200B Multi-phase Voltmeter



- Multi-phase
- Multifunctional
- High precision
- High consistency
- User friendly
- Large LCD

DESCRIPTION

The S200B Multi-phase Voltmeter is a multi-functional instrument developed specifically for on-site measurement. It is precise, consistent, low power consumption, and easy to operate, it directly measures A.C. voltage and A.C. current without having to disconnect the circuit under measurement. Whether it be the phase between two voltages, between two currents, or between voltage and current, it can all be measured. In addition, the power factor and power of the circuit can be measured indirectly, which can distinguish three phase sequences, transformer wiring group, inductive, capacitive circuit, test the secondary circuit and bus differential protection system, identify phase relationship between each group of differential protection CT, verify the wiring of the watt-hour meter. The instrument has a large backlight LCD, with character sizes up to 40mm, the display is clear and easy to read.

APPLICATION


The instrument is widely used for inspections of multi-phase electrical systems across various industries.

SPECIFICATIONS

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|---------------------------------|--|
| Functions | Testing of AC current, AC voltage, AC leakage current, phase sequence detection, identifying transformer groups, distinguish inductive and capacitive circuits and indirect testing of power and power factor. |
| Power | DC9V alkaline dry batteries (1.5V AA×6) |
| Power Consumption | 35mA maximum if backlight on, batteries can work continuously for up to 40 hours 5mA if the backlight is off, batteries can work continuously for up to 300 hours |
| Display | LCD, blue screen with backlight design, suitable to dark environments |
| LCD Size | 81mm×65mm |
| LCD Display | 64mm×53mm |
| Instrument Dimensions | 207mm×101mm×50mm |
| Jaw Size | φ7.5mm×13mm |
| Sampling Rate | 3 times/sec |
| Measurement Range | A.C Voltage: 0 ~ 20V/200V/600V A.C Current: 0 ~ 200mA/2A/20A Phase Angle: 0 ~ 360° |
| Range Of Measured Signal | U1-U2: 30V ~ 600V I1-I2: 10mA ~ 20.00A U1-I2 or I1-U2: 10V ~ 600V, 10mA ~ 20.00A |
| Data Hold | Press HOLD to hold and save the data |

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| Automatic Shutdown | 15mins after startup, the instrument will automatically shut down to reduce battery consumption |
| Low Battery Warning | When the battery voltage drops below 7.2, the low battery sign will be displayed, please replace the battery when possible |
| Weight | Main Unit : approx. 500g (battery included) Clamp : approx. 179g x2 Test Leads : approx. 162g x2 |
| Length of Test Leads | 1.5m |
| Cable Length of Current Clamp | 2m |
| Ideal Working Conditions | -10 C ~ 40 C ; below 80%RH |
| Ideal Storage Conditions | -10 C ~ 60 C ; below 70%RH |
| Input Impedance | The input impedance of tested voltages : 2MΩ The input impedance of voltage when testing phases U1U2 : 40kΩ |
| Withstand Voltage | It can withstand 2000V/50Hz sine wave A.C. current for 1 minute (between the front and back end of the housing) |
| Dielectric Strength | Both of the insulation between circuits and the housing of instrument and insulation between two voltage input ports is $\geq 10\text{M}\Omega$ |

ACCESSORIES & ORDER DATA

| Description | Order Code | Description | Order Code |
|--|------------|--|------------|
| S200B Multi-phase Voltmeter, 1 pc | S200B | Included accessories for S200B | |
|  | | Tool box, 1 pc | |
| | | Current clamps, 2 pcs | |
| | | Test leads, 4 pcs (red and black two each) | |
| | | 1.5v AA alkaline dry batteries, 6 pcs | |
| | | User manual, Warranty card, Certificate of Conformity, 1 copy of each | |

SALES OFFICE

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S200B

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