

Power Analyzer/Meter

Multi-channel Single-phase Power Meter TM-8724

Product description:

Multi-channel Power meter can measure AC and DC input, DC ~ 1kHz band width, stronger load adaptability, compact size. Suitable for multi-station charger, switching power supply, adapter power consumption test, Strict industrial field type test, High temperature aging chamber test, Household appliances, commercial appliances production line power measurement, Power tools, motor test, Lighting fixture test and ATE, ATS system integration test.



Features

- Multi-channel power measurement, independent wiring, display and communication
- 2U height, full cabinet width standard chassis
- Universal wide range design for AC and DC, DC~ 1kHz bandwidth, stronger load adaptability
- Wide current measurement range, meeting the needs of high current and standby power consumption testing
- Fast measurement speed, fastest 0.25s refresh rate
- Voltage and current ratio setting function, easy to expand the measurement range
- Voltage, current, power over-limit sound and light alarm function, meeting the needs of rapid identification of abnormal products on site
- Equipped with RS-232 or RS-485 serial port, supporting MODBUS communication, easy to achieve test automation

Specifications

Model	TM-8724
Measurement channel	Four channels
Measurement parameters	Voltage U, current I, active power P, power factor PF
Wiring usage	There is an irremovable common ground short-circuit between the voltage/current terminals and only supports internal connection.
Input impedance	Voltage: about 2MΩ Current: about 4mΩ (20A range), about 80mΩ (1A range)
Full scale crest factor	1.6
Rated voltage range	600V
Voltage accuracy range	1V~600V
Rated current range	1A/20A (AC/DC), optional 100mA/5A range
Current accuracy range	1mA~1A/20A
Voltage/current accuracy*	±(0.1%×display value+0.1%×range)
Active power measurement range:	2.2mW (PF=0.01)~4.4kW (PF=1)@220V
Active power accuracy*	±(0.1%×display value+0.1%×range)
Power factor accuracy range	±(0.01 ~ 1)
Frequency measurement range	DC, 45Hz≤f≤1kHz
Frequency measurement accuracy	±(0.1%×display value) (voltage amplitude should be greater than 10% of the range)
Active Power Resolution	0.01W
Power Factor Resolution	0.001
Energy Range	0 ~ 99999MWh
Energy Accuracy	±(0.2%×measurement value)
Expanded Uncertainty	voltage/current/power/electric energy uncertainty is ≤0.30%
Energy Timing	999 hours, 59 minutes and 59 seconds
Energy Timing Accuracy	±(0.05%×timing value)
Voltage/Current Ratio	0.1 ~ 1000.0
Data Update Cycle	0.25, 0.5, 1 [S]
Alarm Function	5 groups, voltage, current, power upper/lower limit, threshold setting
Interface	RS-232, RS-485 (optional)
Power Input	198 ~ 240Vac / 50Hz
Power Consumption	About 200VA
Dimension (WxHxD)	426mm (W) × 88.5mm (H) × 392mm (D, including wiring terminals)
Weight	Approx. 8kg

*[Accuracy conditions]: Preheating: Turn on for more than 15 minutes

Temperature: 23±5°C, Humidity: 30%~75%RH, Power supply: AC 100V~240V, 45~65Hz

Temperature coefficient: When 5~18°C or 28~40°C, the error increases by ±(displayed value×0.06%)/°C

Ordering Informations

TM-8724: 4 channel AC&DC Power Meter
600V/20A

Standard Accessories:

- User Manual
- Power cord