

Datasheet

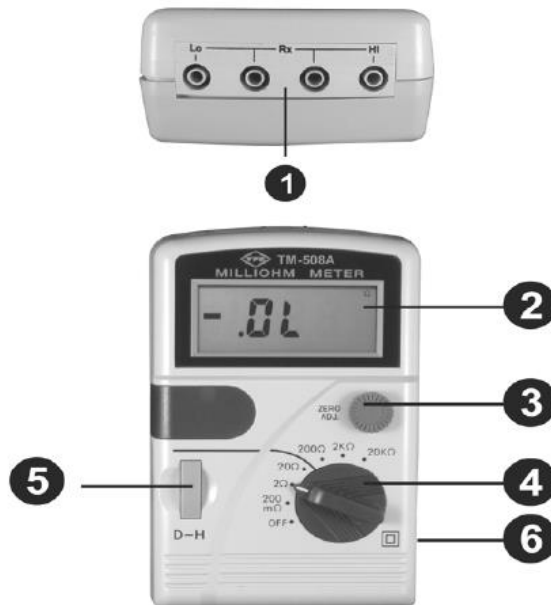
RS Pro Ohm Meter

RS Pro: 124-0940



Specifications

Display	3-1/2 digits, LCD display with max. reading of 1999 with decimal point and measurement unit
Overload indication	"OL" indication
Zero Adjust	External zero adjust knob
Low battery indication	Replace battery as LCD display
Reading Speed	2.5 times per second
Operating attitude	Max. 2000 meters above level
Operating ambience	In-door use, under environmental pollution grades two
Operating temperature and R.H value	5°C to 40°C, 80%RH or lower
Storage temperature and R.H. value	-10°C to 60°C, 70%RH or lower
Power Supply	1.5V × 6 NEDA 15F IEC R6 JIS SUM-3
AC adapter	AC input Voltage is 100Vac to 240Vac 0.3A with input frequency of 60 HZ or 50HZ, Free Voltage DC output is 9VDC(8~11VDCMax)
Supply current	current : > 0.5ADC. Socket : pin Ground Casing Positive External Diameter 3.5mm internal Diameter 2.0mm
Dimension and Weight	160 x 100 x 52mm. approximate 500g
Fuse Sepcification	0.5A/250V, 5Øx 20mm. FAST MIN INTERRUPTS RATINGS 1500A



Instrument description:

1. **RX Socket:** For testing clips input
2. **LCD Display:** Indication of measured value and unit
3. **ZERO ADJ Knob:** For zero adjustment
4. **Power Switch and Range Selector Switch:** Selection in functional range of the meter.
5. **D-H:** Lock up the LCD reading
6. **DC Power Socket:** For AC adapter output DC voltage is 9VDC(8~11VDCMax)

Notice in prior to the testing

Do not connect the testing input terminals (LO, RX, RX, HI,) any input voltage directly, so as to prevent any possible damage to the internal circuits of the meter.



Electrical Specifications:

(23°C±5°C, 80% RH or lower)

Accuracy : \pm (.....% reading + digit):

Range	Accuracy	Resolution	Testing current	Open Voltage
200 m Ω	\pm (0.3%+ 4dgt)	0.1m Ω	100mA	Approx. 4.8VDC
2 Ω		1m Ω	10mA	
20 Ω		10m Ω	10mA	
200 Ω		0.1 Ω	1mA	
2k Ω		1 Ω	1mA	
20k Ω		10 Ω	100uA	

Battery Replacement:

The meter is powered by 1.5V battery x6pcs (NEDA 15F IEC R6 JIS UM-3).

Use the following procedure to replace the battery:

1. Replace battery immediately when LCD displays "🔋".
2. Turn the function switch to the "OFF" position.
3. Use a screwdriver to unfasten the screws on the battery cover and remove the cover.
4. Take out the old batteries and replace with new batteries, taking care to note the correct polarity.
5. Re-install the battery cover and tighten the holding screws.

Fuse Replacement:

For a safety protection of the electrical circuit please replace new fuse complying the specification 0.5A/250V, 5 \times 20mm. FAST MIN INTERRUPT RATINGS 1500A.

1. Select the function range switch to "OFF" position. To unscrew the bottom case by using a screwdriver.
2. Pull out the burned fuse and replace a new one.
3. Close the bottom case and tighten screw.

Maintenance and Care:

1. That all necessary requirements of inspection and maintenance are not mentioned in this manual, a qualified technician should perform it.
2. This meter is a precision digital instrument, whether in use or in storage, please do not exceed the specification requirements to avoid any possible damage or danger during use.
3. Do not use strong or abrasive detergents, water and wet cloth to clean the instrument. Do use a dry cloth to clean the instrument.
4. Do not place this meter in high temperature or humidity or expose to direct sunlight.
5. Once the measurement is completed, turn the rotary switch to OFF, Remove the batteries from battery holder if the instrument is not is used for a long period in order to avoid the liquid leakage from the battery.

10 END OF LIFE



Caution: this symbol indicates that equipment and its accessories shall be subject to a separate collection and correct disposal