

MO-5899-100A

100 A Digital micro-ohmmeter

Has filters and protections optimized for measurements in substations. Record with high precision, resistances very low contact, in high voltage circuit breakers, switchgear, busbars, etc., With test currents up to 100 A.

tinsley
PRECISION INSTRUMENTS

OVERVIEW

The MO-5898-100A high current micro-ohmmeter, uses the methodology of Kelvin (4 terminals) to avoid measurement errors caused by jump leads and their contact resistances.

The accuracy of the equipment is guaranteed by a last generation signal amplification system, offset and high stability free. The reading is in direct liquid crystal display indicating up to 4 ½ digits.

The equipment is extremely easy to use and carry, weighing approx. 11 kg. His case is sturdy with protection degree IP54 (with lid closed). Cables and accessories are packed in a suitcase that allows storage and transport safe and comfortable.

It has data outputs to connect to a printer and to download measurements stored in the internal memory of 50 records for up to 80 readings each, allowing documentation of measured values.

The system of high current generation is based on a modern technology to reduce weight and size. The plastic enclosure provides high impact resistance and environmental challenges.

Internal thermal sensors in all sensitive components in the instrument prevent any damage due to overheating.

The extended range of ambient operating temperature from -5 °C to 50 °C, allows use this equipment in extreme weather conditions, from the cooler regions to tropical regions, presenting a great performance both in fieldwork and in the laboratory .



KEY FEATURES

- ➔ Alphanumerical display
- ➔ Direct reading (Up to 4½ digits)
- ➔ Resolution: 0.1 $\mu\Omega$
- ➔ Resistance reading: up to 300 m Ω
- ➔ Kelvin-type (4-wires) measurement
- ➔ Overheating Protection
- ➔ Memory to store 50 records with 80 measurements each
- ➔ Built-in printer

CONTACT US

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TEST CURRENTS

Up to 100 A (True DC).
The test current can be set between 10% and 100% of the working stream with a resolution of 1 A.

RESISTANCE RANGES

0.1 $\mu\Omega$ to 300 m Ω .

MEASUREMENT PRINCIPLE

Four-terminal, Kelvin-type.

THERMAL PROTECTION

Protects all sensitive components, avoiding any damage due to overheating.

PROGRAMMABLE TEST TIME

Allows to setup the test time from 5 seconds up to 120 seconds.

BASIC ACCURACY

$\pm 1\%$ of reading ± 1 digit.

ADVANCED FEATURES

Digital direct reading of very low resistances in the alphanumerical display, with up to 4½ digits.
Very fast and accurate measurements.

BUILT-IN PRINTER

Allows print the measured values.

BUILT-IN MEMORY

Capacity to store 50 registers with 80 readings each.

SERIAL DATA OUTPUT

USB.

TINSLEY SOFTWARE

Friendly, easy to use software. With automatic report generator, including the operator's commentaries.

ENVIRONMENTAL

IP54 with closed lid.

SAFETY CLASS

Meets the requirements of IEC 61010-1.

POWER SUPPLY

Mains: 90-240 V~ 50/60 Hz auto.

OPERATING TEMPERATURE RANGE

-5 °C to +50 °C.

STORAGE TEMPERATURE RANGE

-25 °C to +70 °C.

HUMIDITY RANGE

95% UR (non condensing).

EQUIPMENT WEIGHT

Approx. 11 kg.

ACCESSORIES WEIGHT

Approx. 20.5 kg.

DIMENSION

502 x 394 x 190 mm.

AVAILABLE ACCESSORIES

- 2 Combined test leads (current and potential), clamp type "C" (sargent).
- 1 Power cord.
- 1 Ground cable.
- 1 Communication cable.
- 1 Carrying case the test leads.
- 1 License to use the software.
- 1 User guide.