

Portable milliohmeter Model DO4A



The DO4A is a practical instrument for low resistance measurement, ideal for use in the workshop, field or test facilities. It is of rugged construction contained in an aluminium case with tilt handle. The DO4A has many advanced features, including protection up to 415 volts rms. digital calibration and long scale length, (4000 count.)

The rechargeable sealed lead acid batteries means real portability with more than 14 hours continuous measurement, and full measurement capability is maintained whilst recharging.

For ease of operation the control functions have been kept to a minimum and are clearly marked. It is, of course, direct reading, warning LEDs illuminate when an open circuit lead condition is detected. Over range and low battery indication is also provided.

The DO4A is supplied ready for immediate use with battery, mains cord and measuring leads; no extras are normally necessary. A wide range of accessories further enhances this versatile ohmmeter

- ✓ True 4 terminal measurement eliminates lead resistance errors
- ✓ 6 push button ranges 40 mΩ to 4 kΩ with long scale length
- ✓ 10 mΩ resolution on 40mΩ range
- ✓ Input protection up to 415Volts rms
- ✓ Zero control thermal emf compensation
- ✓ Digital Calibration
- ✓ Mains rechargeable battery operation
- ✓ Open circuit lead warning
- ✓ Rugged industrial maintenance free operation
- ✓ Universal mains input

CROPICO

Precision measurement solutions since 1952

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DO4A

Technical Specification

Range	Resolution	Typical Current	Accuracy @ 20°C ±5°C 1 year	Temperature Coefficient /°C
4 kΩ	1 Ω	100 μA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg +1 ppm FS
400 Ω	100 mΩ	1 mA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg +1 ppm FS
40 Ω	10 m Ω	10 mA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg +1 ppm FS
4 Ω	1 mΩ	10 mA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg + 4 ppm FS
400 mΩ	100 μΩ	10 mA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg + 25 ppm FS
40 mΩ	10 μ Ω	100 mA	± (0.05% Rdg. +0.02% FS)	30ppm Rdg + 25 ppm FS

Measurement: Four terminal Kelvin/Thomson principle eliminates errors due to lead resistance

Display: 15mm LCD 4000 count with automatic decimal point and polarity indication

Ranges: 6 push button selected with LED indication

Terminals: 4mm binding posts accept spade tags and 4mm banana plugs

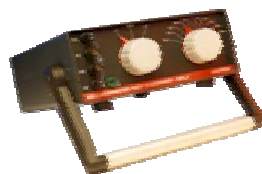
Working Temperature: 0...40°C re. humidity 80% max. non-condensing.

Storage Temperature: -20...+50°C

Mains Supply: 100/120/220/240 Volts +10%-13%
47...63Hz 20VA

Safety: EN61010-1 EMC - EN61236

Available accessories Include



MTS2 Calibration Standard

A switch standard with all values required to calibrate

CB01 Carrying bag for DO4A with shoulder strap and lead pouch

Dimensions: 215 x 250 x 88mm (W H D)
1/2 19" rack 2U high
(467 x 374 x 216mm packed in card carton)

Mass: 3.5 kg approx.
(4.5 kg packed in card carton)

Auto zero: Permits the automatic zero of amplifiers and external circuits eliminating errors due to thermal emf

Protection: 415Vrms maximum at the measuring terminals will blow internal protection fuse

Calibration: Digital security key protected

Battery: 6V 2.8 Ah sealed lead acid battery with built-in charger. Operating time 14 hours typical on lowest range 28 hours typical on other ranges. Internal charger and automatic switch off to prevent deep discharge.

Accessories: Supplied complete with mains cord, measuring leads type LS06 with miniature Kelvin clips, operating instructions and calibration certificate

Additional Lead sets



LS05 Executive lead set with 1 meter leads Kelvin clips type KC1 test prods and crocodile clips.

LS03 large Kelvin clips 3 metre leads

LS04 Large Kelvin clips 3 and 15 metre leads



HS01 Duplex Handspikes 3 meter leads

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