

MO 200/300 Digital Micro-Ohmmeter

by



- Pre-Settable
- Automatic testing
- <200/300 A dc 5min
- Resistance
-1 $\mu\Omega$ to 5 Ω
Only 9 kg



The versatile **COTEL MO 200**, with a **NEW MO 300 version**, is used for measuring the contact resistance of circuit breakers, sectionners or bus bar junctions, and also railway rolling stock safety. The “Kelvin” measurement technique employs four wires so that the voltmeter terminals are separated from those of the current generator for best accuracy. The current is presettable, and the resistance is automatically calculated.

The digital controller can ramp-up the current output to the pre-set value for 5 seconds for rapid resistance measurement to avoid overheating.

The voltmeter measures from 0 to 5 volts dc. The current, voltage and the computed value of the resistance are displayed simultaneously on the large backlit screen.

There is a USB connection to a PC for report preparation. Options include a thermal printer, remote controller and a current clamp for testing a breaker earthed both sides.

Technical Characteristics

Robust waterproof plastic case with handle
Dims. 41 x 34 x 21.5 centimeters Weight 9/10 kg.
Supply - 100 to 264 VAC 2 poles plus earth. 50/60 Hz single phase

Protection - Injection by electronic control and thermal monitoring.
Supply by a circuit breaker

Current Generator -The regulated output is adjustable from 1 - 2/300A.
Ripple-free current
Max voltage - 5 V.
Max Load - 100 A. continuous
Full Power (1 kW(200A) or 1.5kW (300A) > 5 mins.
Cool-down time 10 min at 25°C ambient

Measurements

Voltage 3 ranges 40 mV, 600 mV, 5V. Accuracy 0.5 %
Current from 1 to 2 A Accuracy 1%.
from 2 to 300 A Accuracy 0.5%

Resistance 4 auto-selecting display ranges :
0 - 999.9 $\mu\Omega$, 1.000 to 9.999 m Ω , 10.00 to 99.99 m Ω , 100 to 500.0 m Ω .
Typical Accuracy < 1% at 50 $\mu\Omega$ from 50 Amps

Options -

Remote controller
Integrated Thermal Printer
A wide selection of cable kits.
Test shunt of 100 μohm
Archiving and reporting software

External Current Clamp for testing breakers with both sides earthed

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