

Technical Data

Winding Resistance Measurement

- Test currents: 5 mA – 30 A DC
- Output voltage: up to 55 V DC
- Measurement range: 0,1 $\mu\Omega$ - 10 k Ω
- Typical accuracy:
 $\pm(0,1\% \text{ rdg} + 0,1\% \text{ F.S.})$ for 0,1 $\mu\Omega$ -1,999 k Ω range
 $\pm(0,2\% \text{ rdg} + 0,1\% \text{ F.S.})$ for 2 k Ω - 10 k Ω range

Resolution

- 0,1 $\mu\Omega$ – 999,9 $\mu\Omega$: 0,1 $\mu\Omega$
- 1,000 m Ω – 9,999 m Ω : 1 $\mu\Omega$
- 10,00 m Ω – 99,99 m Ω : 10 $\mu\Omega$
- 100,0 m Ω – 999,9 m Ω : 0,1 m Ω
- 1,000 Ω – 9,999 Ω : 1 m Ω
- 10,00 Ω - 99,99 Ω : 10 m Ω
- 100,0 Ω – 999,9 Ω : 0,1 Ω
- 1,000 k Ω – 9,999 k Ω : 1 Ω

Data Storage

- 1 000 internal memory positions

Printer (optional)

- Thermal printer
- Graphic and numeric printout
- Paper width 80 mm

OLTC Dynamic Resistance Measurement

- Sampling rate: 4 ms
- Automatic open circuit detection and warning
- Transition current ripple measurement
- Transition time measurement using DV-Win software
- Timing measurement of different transition changes using DV-Win graph analysis tool

Computer Interface

- USB
- Optional: RS232

Warranty

- Three years

Environmental Conditions

- Operating temperature:
-10 $^{\circ}\text{C}$ - + 55 $^{\circ}\text{C}$ / 14 F - +131 F
- Storage & transportation:
-40 $^{\circ}\text{C}$ - + 70 $^{\circ}\text{C}$ / - 40 F - +158 F
- Humidity 5 % - 95 % relative humidity,
non condensing

Dimensions and Weight

- Dimensions (W x H x D):
198 mm x 255 mm x 380 mm
7.8 in x 10.0 in x 15.0 in
- Weight: 8,5 kg / 18.7 lbs

Mains Power Supply

- Connection according to IEC/EN60320-1;
UL498, CSA 22.2
- Mains supply: 90 V - 264 V AC
- Frequency: 50 / 60 Hz
- Mains supply voltage fluctuations up to $\pm 10\%$
of the nominal voltage
- Input power: 2 250 VA
- Fuse 15 A / 250 V, type F, not user replaceable

Applicable Standards

- Installation/overvoltage: category II
- Pollution: degree 2
- Safety: LVD 2006/95/EC (CE Conform)
EN 61010-1
- EMC: Directive 2004/108/EC (CE Conform)
Standard EN 61326-1:2006
- CAN/CSA-C22.2 No. 61010-1, 2nd edition,
including Amendment 1