Technical Data

Winding Resistance Measurement

- Test currents: 5 mA – 50 A DC
- Output voltage: up to 55 V DC
- Measurement range: 0,1 µΩ - 10 kΩ
- Typical accuracy:

±(0,1% rdg + 0,1% F.S.) for 0,1 µΩ-1,999 kΩ range

±(0,2% rdg + 0,1% F.S.) for 2 kΩ - 10 kΩ range

Resolution

- 0,1 µΩ – 999,9 µΩ: 0,1 µΩ
- 1,000 mΩ – 9,999 mΩ: 1 µΩ
- 10,00 mΩ – 99,99 mΩ: 10 µΩ
- 100,0 mΩ – 999,9 mΩ: 0,1 mΩ
- 1,000 Ω – 9,999 Ω: 1 mΩ
- 10,00 Ω - 99,99 Ω: 10 mΩ
- 100,0 Ω – 999,9 Ω: 0,1 Ω
- 1,000 kΩ – 9,999 kΩ: 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 °C - + 55 °C / 14 F - +131 F
- Storage & transportation:
  -40 °C - + 70°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 ±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