

VCM100D/VCM80D

Oil test set calibration meter

Megger



VCM100D/VCM80D

Description

The VCM100D/VCM80D voltage check meters are used as a high voltage meter for Megger's new Oil Test Set (OTS) family.

This family includes the following models:

- Laboratory units: OTS100AF, OTS80AF and OTS60AF, the OTS100AF requires a VCM100D to check voltages above 80 kV.
- Portable units: OTS80PB, OTS60PB.

The meters enable the high voltage output to be checked.

Operation

New OTS models are programmed with a test sequence suitable for using the VCM100D/VCM80D. This sequence causes the output of the oil test set to ramp up from 0 kV to the maximum voltage value, pausing at each 10 kV point for 10 seconds to allow the voltage output to be checked.

Simply replace the OTS test vessel with the VCM100D/VCM80D, close the lid and navigate to the VCM function on the tools tab. Select using the OK button. After pressing the TEST button, the test will proceed automatically. Read the VCM100D/VCM80D meter when each steady voltage is displayed up to the maximum instrument voltage.

SPECIFICATIONS

Proprietary 100 kV/80 kV Megger OTS voltmeter with 4 digit readout

Accuracy at 23 °C

2.0% +2 digits to 50 kVrms
2.5% +2 digits >50 kVrms to 75 kVrms
3.0% +2 digits >75 kVrms to 100 kVrms

Environmental

Operating temperature	0 °C to 40 °C
Storage temperature	-30 °C to +70 °C
Operational temperature	50% RH at 20 °C
Storage temperature	93% RH at 40 °C

Safety

The meter is only approved for use with Megger oil test sets

Mechanical data

Dimensions (W x H x D)	250 mm x 150 mm x 115 mm
Weight	1.8 kg

ORDERING INFORMATION

Product	Order Code
VCM100	
VCM80D	
Included accessories	
Carrying case	6420-094
Instruction card	6172-044
Certification of calibration	