



## 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                       |            |
| <b>Included accessories</b>  |            |
| Carrying case                | 6420-094   |
| Instruction card             | 6172-044   |
| Certification of calibration |            |