

VCM100D/VCM80D Voltage Check Meter

Technical Specification

The VCM100D and VCM80D are OTS accessories that enable the voltage output of the oil test set to be checked by measuring the actual voltage at the HV electrodes. The calibration meters fit in the oil test set chamber in place of a standard vessel and are designed to ensure that the load on the OTS transformer is similar to the load during an oil dielectric strength test.

Meter type	Proprietary 100 kV/80 kV Megger OTS voltmeter with 4 seven-segment digit digital readout
Accuracy at 23 °C	2.0% plus 2 digits to 50 kVrms 2.5% plus 2 digits >50 kVrms to 75 kVrms 3.0% plus 2 digits >75 kVrms to 100 kVrms (VCM100D only above 80 kV)
Temperature range	
Operational	0 °C to 40 °C
Storage	-30 °C to +70 °C
Humidity range	
Operational	50% RH at 20 °C
Storage	93% RH at 40 °C
Safety	The meter is only approved for use with Megger oil test sets
Dimensions (W x H x D)	250 mm x 150 mm x 115 mm
Weight	1.8 kg

Storage and transportation

The OTS100AF/80AF/60AF are a precision instruments that generates high voltage to 100 kV and needs to be transported and stored carefully.

The unit should be stored in a room or area where the environment is within the temperature range of -30 °C to 65 °C and maximum humidity of 95% at 45 °C.