

CAL 542 - Charge Calibrator

Accessory to partial discharge measurement products



Calibrating the test circuit is mandatory prior to measurements when they are carried out in accordance with IEC 60270. To do this, a defined charge is injected into the test set-up using the CAL 542 and the MPD system is calibrated to this value.

Handling the CAL 542 is very easy: When selecting the desired charge with the up / down buttons, the value is displayed on a LCD. The calibrator will switch off automatically after 60 minutes or when both buttons are pressed simultaneously for 3 seconds.

All four versions of CAL 542 calibrator (designated A-D) are identical except for their adjustable charge ranges. Due to their very low power consumption, the integrated battery lasts for over 10 years.

Technical Data

Pulse Charge	Version A: 0.1 pC ... 10 pC Version B: 1 pC ... 100 pC Version C: 10 pC...1000 pC Version D: 0.1 nC ... 10 nC
Pulse Repetition Frequency	300 Hz
Pulse Rise Time	< 4 ns
Dimensions (W x H x D)	110 x 30 x 185 mm / 4.3 x 7.3 x 1.3 in
Weight (incl. Battery)	520 g / 1.2 lbs
Output Connector	1 x BNC (with BNC adapter, cables and connection clamps)
Power Supply	Lithium Battery 9 V, 1.2 Ah Lifetime > 10 years
Ordering Numbers	VE00 4200: Version A VE00 4210: Version B VE00 4220: Version C VE00 4230: Version D

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