

PDC1 - 10nC

PDC2 - 100nC

Partial Discharge Impulse Calibrator

The b2 electronic GmbH partial discharge pulse calibrators facilitate calibration (external) for the standard PD measuring circuit according to IEC 60270:2001. These battery-powered handheld devices are chosen according on the typical charge values of PD being measured to validate the measurement. The calibrators are also used to verify overall cable length and the position of joints. PDC1 and PDC2 calibrators are for direct coupling (e.g. to a cable) and generate repeatable charge pulses of high accuracy so as to insert a PD calibration signal into the test object. PD pulse magnitude can be adjusted between 10pC and 100nC (according to model chosen).



Features

- Indication of battery status
- External calibration of PD measuring circuit according to IEC60270
- Pulse magnitudes:
10pC to 10nC (model PDC1) and
100pC to 100nC (model PDC2)
- Quantify PD quantity “
apparent charge”

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PDC1 - 10nC

PDC2 - 100nC

Partial Discharge Impulse Calibrator

Typ	PDC1	PDC2
Article number	GH0728	GH0729
Charge Range 10pC .. 10 nC	X	
Charge Range 100pC .. 100nC		X
Variable Charge Range Steps	optional	optional
Custom Charge Capacitor	optional	optional
Injection Capacitor (Ci)	<100 pF	<100 pF
50 and 60 Hz repetition rate	X	X
Variable Repetition Rate	X	X
Pulse rise time t_r <60ns	X	X
IEC60270 conformity	X	X
Auto Power Off	X	X
Battery Operation 9V	X	X
USB Power and Remote Control	X	X
Protection Class	IP 65	IP65
Weight	320 g	320 g
Dimensions L x H X W	175x35x60 mm	175x35x60 mm



Scope of delivery

- PD pulse calibrator (PDC1 or PDC2)
- BNC cable 1m
- 2 pcs. crocodile clamps
- User manual

Optional

- Transport Case



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