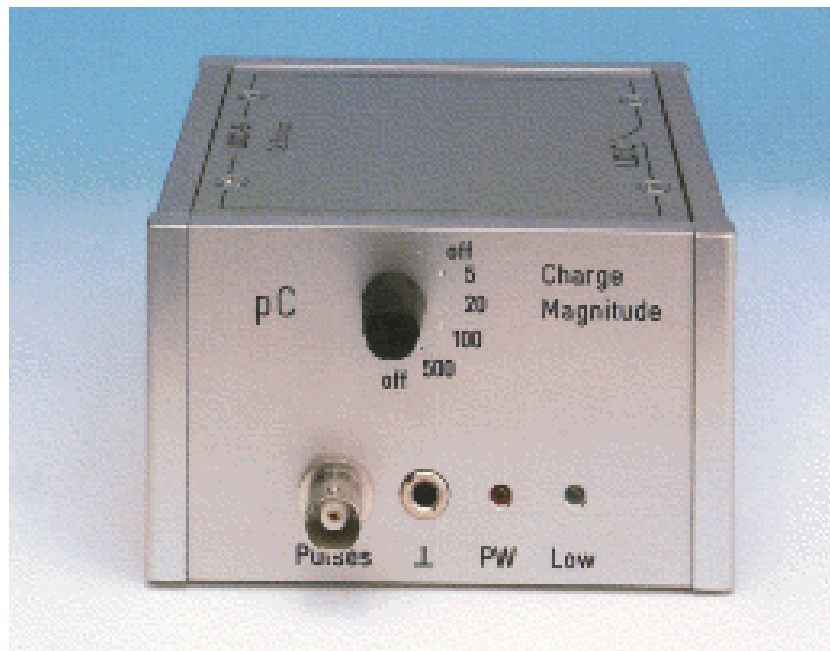


# CALIBRATOR

## LDC-5



The battery powered calibrator LDC-5 belongs to the PD measuring systems of LDIC, based on different types of PD detectors. It is applicable for external calibration of the standardized PD measuring circuit according to IEC 60270 in order to quantify the main PD quantity "apparent charge". For this the calibrating charge, which occurs at the BNC connector "Pulses", has to be injected into the terminals of the test object. The magnitude of the calibrating pulses can be selected by the switch "Charge Magnitude". The readiness for operation is indicated by the red LED "PW". If the powering battery becomes weak, it is indicated by the green LED "Low".

**Attention!** The calibrator LDC-5 has to be disconnected from the test object before starting the actual HV Test in order to prevent any malfunction or destruction of the device due to over-voltages.

## Specification

Calibrating charges	5, 20, 100, 500 pC
Error of the rated values	$< \pm 5\%$ ; $\pm 1\text{pC}$
Internal calibrating capacitor	100 pF, approx.
Pulse charge injection duration	50 ns, approx.
Pulse repetition rate	500 Hz, approx.
Powering voltage	9 V battery (6LR61)
Mean current consumption	25 mA, approx.