

Partial Discharge Calibrator
500, 1'000, 5'000 & 10'000pC

PPG-0010



Key Features _____

- Build in rechargeable LiPoly battery and USB interface for charging
- Direct power trough USB
- Auto Power Off
- Selectable Charge output 500, 1'000, 5'000 & 10'000pC
- Selectable Light Sync
- Fully IEC 60270 Compatible

Applications _____

- Calibration of Partial Discharge monitoring Systems and Portable partial Discharge Analyzer used for rotating machines

General Description _____

Partial Discharge Caibrators are needed, whenever a partial discharge monitornig system or portable analyzer is used. Partial Discharge Calibrators are used to calibrate the partial Discharge Instrument to the actual sensor and machine situation. The **PPG-0010** has 4 different Output Ranges as 500pC, 1'000pC, 5'000pC and 10'000pC, which makes it ideal for calibration of the rotating machines. A build in high voltage step generator allows to use only one single low capacitance charge capacitor of less than 100pF.

The Build in USB rechargeable LiPoly battery allows a long usage and a flexible and fast recharging of the calibrator. Auto Power Off feature prevent the calibrator from discharged during transportation. The battery of the PPG-0010 is recharged throught the build in USB interface. When directly powered it can be used continuously without discharging the battery. The build in light sync synchronises the 2 pulses per sinewave to actual environment light and can be deactivated if needed.

Ordering Information _____

Order Code: 19.0010.0000

Partial Discharge Calibrator

500, 1'000, 5'000 & 10'000pC



Technical Data

PPG-0010

Electrical

Pulse Charge Values:	500pC	Rise Time:	< 10ns
	1'000pC	Uncertainty	+/-3%
	5'000pC		
	10'000pC	Pulse Frequency (With Light Sync):	100/120Hz
Output Capacitance:	<100pF	Pulse Frequency (without Sync):	100Hz +/-5%

Power

Battery	Rechargeable LiPoly 3.7V, 1.5Ah	Power & Charging:	Build in USB compliant LiPoly Charger
Auto Power off Time:	30 Minutes		

Reference Conditions

Temperature	23°C +/- 2°C	Humidity, non condensing:	45 .. 75%
-------------	--------------	---------------------------	-----------

Operating Conditions

According to IEC 359		Humidity:	20 .. 95%
Temperature	5 .. 55°C	Altitude:	70 .. 106kPa

Compliance

IEC60270

Dimensions

Approx:	80 x 80 x 35mm	Weight	approx 0.3kg
---------	----------------	--------	--------------

Content of Delivery

PPG-0010 PD Calibration Pulse Generator	2x Banana Cable, 2m (red/black)
USB Power Supply, 5V, 500mA, USB mini	2x Clamps Diam. 20mm (red/black)
	Calibration Certificate

Sparks Instruments reserves the right, without further notice, to change the product specifications and/or the information on this document to improve reliability, functions and design of this product. © 2013 Sparks Instruments, All rights reserved.

Contact

Sparks Instruments SA
Bodematta 12, 1714 Heitenried
Switzerland

Email: sales@sparksinstruments.com
Web: www.sparksinstruments.com

Worldwide Exclusive Sales Representative
& Tech Support

 **MC-monitoring SA**
Measuring - Consulting - Monitoring
Route des Daillettes 6
1709 Fribourg, Switzerland
Phone: +41 26 401 84 56
Email: sales@mc-monitoring.com

REPRESENTANTE NO BRASIL
RENNOSONIC TECNOLOGIA LTDA.
+55 (35) 3622-0327
contato@rennosonic.com
www.rennosonic.com