



# GTU860 PARTIAL DISCHARGE TESTER

## PARTIAL DISCHARGE TESTING WITH HIGH SENSITIVITY

The GTU860 is a compact and versatile measuring device for various PD measurements. Due to its very sensitive PD detection in the UHF range and high interference suppression in the low frequency range, measurements with various test voltage shapes are possible.

PD measurements with the GTU860 and pulse shaped test voltages offer completely new possibilities for electrical motor testing. Now there is the ability to test the isolation between phases and single turns. This enables new non-destructive tests for more reliable products.

Partial discharges are detected with an HF current transformer. The advantage is the isolation to the high voltage. The measurement is performed with a method developed by Solfas that works in the UHF range with high sensitivity. The attenuation against interference in the frequency range below 100 MHz is very high, which allows measurements with pulsed voltages such as converter output voltages.

## APPLICATIONS

- Electrical motor & stator testing
- Research and development
- Industrial production test
- Test of wirewound products such as chokes, transformers, coils

## KEY FEATURES

- Measurement compliant to IEC 60034-18-41 and IEC/TS 61934
- Displays PD count and amplitude
- Pre-processed output signal
- Isolated coupling to specimen for safe operation
- USB & Ethernet interface

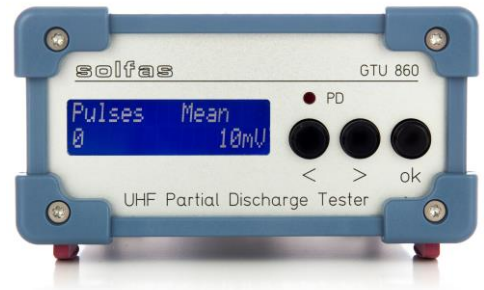
## KEY BENEFITS

- Highest sensitivity measurement
- Allows pulse shaped voltages
- Easy-to-use and compact size
- Non-destructive insulation tests
- Less failures, lower service costs, quality improvement

# GTU860

## Technical Specifications

<b>HF Input</b>	BNC 50Ω max. Input 1V/+13dBm
<b>IF Output</b>	BNC 600Ω
<b>Measurement Range</b>	-60 ... 0dBm
<b>Measurement Accuracy</b>	± 2dBm
<b>Frequency Range</b>	200 ... 400MHz
<b>Attenuation in Stopband</b>	≥ 60dB
<b>Min. Single Impulse Spacing</b>	< 50µs can be resolved
<b>Timebase Accuracy</b>	± 1%
<b>Interfaces</b>	USB 2.0 / Ethernet (Option)
<b>Power Supply</b>	Via USB or 5...24VDC
<b>AC Power adapter Input</b>	80...240V AC
<b>Dimensions (WxHxD)</b>	115x60x185mm
<b>Weight</b>	725g



## Ordering Informations

Description	Order number
GTU860 Partial Discharge Tester Set	GTU860
GTU860 Partial Discharge Tester with Ethernet Set	GTU860-E

### The GTU Set includes the following accessories

- HF Current Sensor for cables up to 25mm diameter
- High-Quality BNC Cable 1m
- USB/Ethernet cable
- AC Power adapter
- Carrying case
- Instruction manual
- Calibration certificate

GTU860 Partial Discharge Tester Device only	GTU860-0
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### Optional Accessories

HF Current Sensor for cables up to 25mm diameter	GTU-Z01
AC Power adapter	GTU-Z02
High-Quality BNC Cable 1m	GTU-BNC-1M
High-Quality BNC Cable 2m	GTU-BNC-2M
Multi-Port Coupling Unit	GTU-Z05
Carrying Case	GTU-CAS
GPDC10 Partial Discharge Calibrator 1...100pC	GPDC10-A
GPDC10 Partial Discharge Calibrator 10...1000pC	GPDC10-B

## SOLFAS TECHNOLOGIE GMBH

We are specialized in the development and implementation of test systems, power supplies and instrumentation.

As an expert in electrical testing and automation, our company offers global innovative and reliable solutions for the industry. Our products are characterized by a precisely matching to individual customer needs hardware and software.