



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

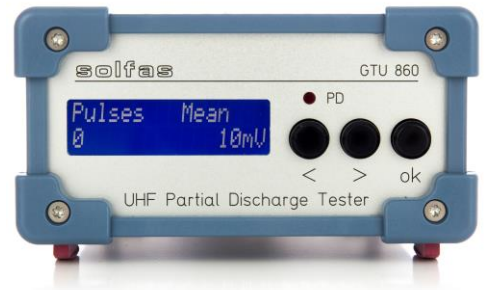
KEY BENEFITS

- 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

HF Input	BNC 50Ω max. Input 1V/+13dBm
IF Output	BNC 600Ω
Measurement Range	-60 ... 0dBm
Measurement Accuracy	± 2dBm
Frequency Range	200 ... 400MHz
Attenuation in Stopband	≥ 60dB
Min. Single Impulse Spacing	< 50µs can be resolved
Timebase Accuracy	± 1%
Interfaces	USB 2.0 / Ethernet (Option)
Power Supply	Via USB or 5...24VDC
AC Power adapter Input	80...240V AC
Dimensions (WxHxD)	115x60x185mm
Weight	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
- 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
Rack Mount Kit 19“ 2U	GTU-RMK
GPDC10 Partial Discharge Calibrator 1...100pC	GPDC10-A
GPDC10 Partial Discharge Calibrator 10...1000pC	GPDC10-B

SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies and measuring instruments. Experts in electrical testing and automation, our company offers a broad range of high-performance full-service testing solutions and measuring instruments. We provide clients in the automotive, aerospace, energy and traditional industry sectors with the equipment they need to test high power components, such as chokes, transformers and electric motors.