

EZY-CUBE

Portable All-in-one Solution for rotating machines



Features

- HV test instrument for rotating machines
- PD and tan d in one device
- battery operated
- Up to 8 hours operation
- Connectivity:
 - WiFi
 - Optical LAN
 - USB connection for data download
- integrated calibrator
- integrated coupling capacitor
- Selectable bandwidth
- Standards for PD:
 - IEC60270
 - IEC60034-27-1,2,3
- Standards for VLF:
 - IEEE 433

Efficient PD testing

Daily on-site testing experience of rotating electric machinery for over 30 years and extensive research resulted in our latest product, the EZY-CUBE™, an innovative high voltage test instrument with unmatched practicability and safety features.

EZY Cube is the first all-in-one instrument for partial discharge and tan d which is able to work at network frequency and VLF.

It has two measurement circuits, one for measurements of partial discharges and tan d under Very Low Frequency-supply (acc. to IEEE 433) and the second for measurements under network frequencies (50/60Hz). The device is controlled via WIFI connection from laptop. It has an optical fiber link which can be used alternatively by the operator.

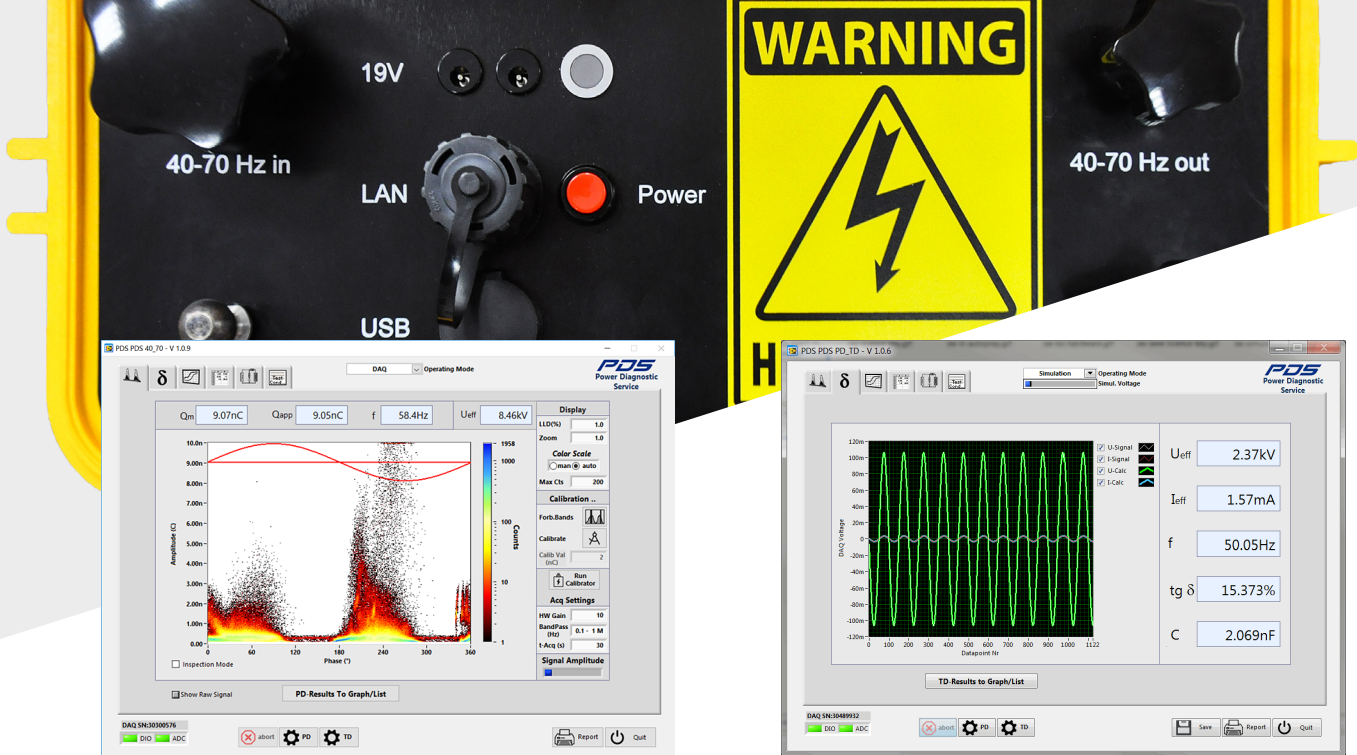
Thanks to the very low weight EZY Cube is easily transportable and therefore particularly recommended for field service and commissioning applications.

EZY Cube can measure partial discharges and tan d up to 12kV. Additionally, we can deliver an HV Supply (EZY POWER).

Benefits

- Enhanced precision and disturbance rejection
- No more errors and complicated wiring
- Battery operation for increased safety
- Integrated calibrator protected against overvoltage by software application (end of burnt calibrators)
- Selectable bandwidths helps you in critical disturbance situations
- Enclosure: IP66-rating
- Lightweight 8,7kg





General Specifications

Partial Discharge:	1 channel
Sampling rate:	50kS/s
Resolution:	16 bits
axis normalised in:	[pC] or [nC]
Low Pass Filter:	100kHz, 500kHz
High Pass Filter:	500kHz, 1MHz, 10MHz
PD ranges:	1pC to 300nC
HV Frequency:	40 to 70 Hz and 0.1 Hz
Capacitance range:	2nF – 10µF
Tan Delta:	$1-2 \times 10^{-5}$ (uncertainty)
Loss factor:	10^{-5} – 1000 exponential
Coupling Capacitor:	1nF ($\pm 10\%$)
Qpd:	< 1 pC
Enclosure:	IP 66
Test Voltage Range:	up to 12kV (higher on demand)
Current Range:	100mA, 1A, 10A selectable
Harmonics:	Numerically rejected
Standards:	IEC60270 & IEC60034-27-1,2,3 IEEE 433
Weight:	8,7kg
Windows-based graphical user interfaces	



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