



**Tavan Ayria Nik**



## Partial Discharge Measurement and Analysis PD CON II

### Portable partial discharge measuring and analyzer

Supported by the Center for the Development of the Electricity and Energy Industry

- Instantaneous signal display and partial discharge frequency response
- Ability to draw a variety of PRPDA and PSA templates

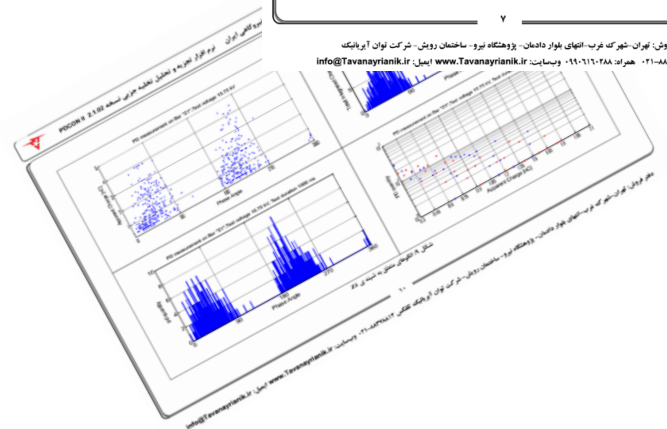
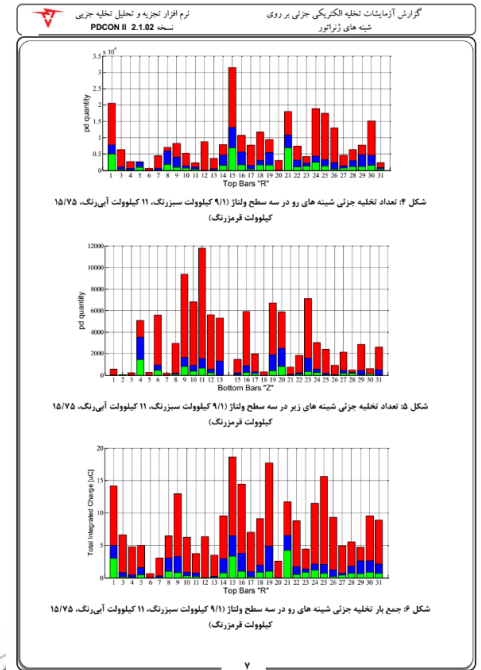
Sales Unit: Tehran - West Town - End of Dadman Boulevard - Niroom Research - Ravish Building - Unit 310

Head Office: Qom- Pardisan- University Boulevard - Alam Park Qom Province Technology - Unit F121 - Tavan Ayrianik Co.

Telephone:025-32816008 Cell: 09906160288 Website: [www.Tavanayrianik.ir](http://www.Tavanayrianik.ir) Email: [info@Tavanayrianik.ir](mailto:info@Tavanayrianik.ir)

## Features:

- ✓ Displays the number of discharges
- ✓ Partial discharge phase resolving pattern (PRPDA)
- ✓ charge pattern according to the discharge phase
  - Discharge number pattern by phase of discharge
  - Discharge number pattern by discharge range
  - Load pattern according to the discharge phase
  - Minor discharge load
- Pulse Sequence Pattern (PSA)
- ✓ Display the sinusoidal value of high voltages 100kV
- ✓ Usb port for data transferring
- ✓ Special software for test reporting
- ✓ Equipped with intelligent signal detection algorithm
- ✓ Calibrators for the calibration process
- ✓ Portable and user-friendly
- ✓ Industrial bag



## Uses and capabilities:

- Ability to detect and quantify partial discharge on high pressure equipment included
- High-voltage electric drive bus and stator
- Oil and dry power transformers
- Power cables and cables
- Insulators and lightning arrester



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## Accessories

CAL 1n calibrator

Quadrupole AKV

laptop

Coupling capacitor

PD, AC coaxial cable

power cable

industrial bag

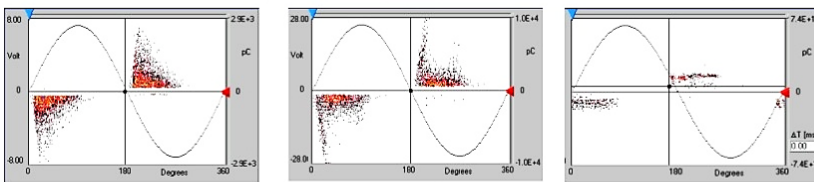
USB cable

Analysis and User Guide

CD software&drive

## PD Sources & 3D PD Patterns

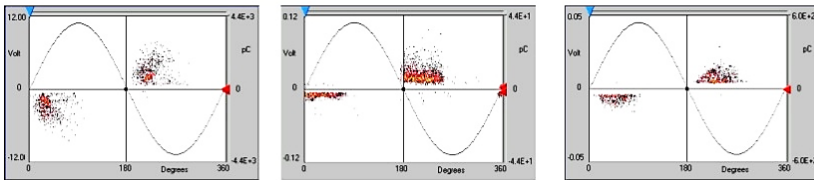
Surface Discharge



Surface PD

Surface PD with tracking

Bar-to-bar PD



Tape delamination PD

Slot PD

Distributed microvoids PD



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# Technical Specifications:

sensor	
type of sensor	capacitive
Capacitance	1nf
voltage	100kv
weight	5kg
dimention	800*150*150
panel	
box	hard plastic
Control panel	Membrane Keyboard
Input signal PD	
Output signal PD	
Input signal AC	
Output signal AC	
USB NBC	
display	
size	40*70
resolution	64*128

calibrator	
amplitude	10 to 1000 picoseconds
battery	4 1.5V Alkaline Battery
signal processing	
Display sampling speed	100mhz
resulation	10bit
Save sampling speed	10mhz
Reinforcement	75 dB
filter	Hardware passage of 50 to 800 kHz
Environmental conditions	
Operating tempreture	20-60 centigrad
Humidity	Up to 70% non-dense
IP	54
bag dimention	
size	450*320*190
weight	8kg

- ✓ This product has 18 months replacement warranty and 5 years post-sale service by Tavan Ayrianik.
- ✓ This product has a free training course for one day by an expert at the buyer's location.
- ✓ Experts of Discharge and Leakage Team at the Tavan Ayrianik will answer customer question during office hours 02532816008 .



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