



Tavan Ayria Nik



Leakage Inspection

Leakage inspection and partial discharge location

High Pressure Reference Laboratories Certificate of Accreditation, Institute of Power and Jihad, University of Science and Technology
Supported by Science and Technology Park

- Ability to display the received ultrasound frequency response
- Ability to display domains logarithmically or linearly
- Ability to display curves and compare test results
- Bandwidth adjustment of filtration width

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 Email: info@Tavanayrianik.ir

Features:

- ✓ Displays the error density
- ✓ USB output for transferring data
- ✓ Special software for test reporting
- ✓ Equipped with intelligent signal detection algorithm
- ✓ Ability to connect a variety of plate, horn and flexible probes
- ✓ Headphone output (acoustic sound proportional to received signal)
- ✓ Displays the trend curve of the detected signal changes
- ✓ Special tone generator to check device performance and diagnostics
- ✓ Displays the exact location of the error using the laser
- ✓ Automatic blackout setting
- ✓ Portable and user-friendly
- ✓ Special Industrial Bag



Uses and capabilities:

power industry:

- ✓ Ability to detect and locate partial discharge inside the post and high pressure switches
- ✓ Locating partial discharge in windings of high voltage electric machines
- ✓ Ability to detect and locate faults in a variety of power lines, insulators and bushing lines including:

Corona - Pollution - Burnout - Cracking - Fracture - Carbonisation pathway

- ✓ Produce audible sound from discharge and transmission via headphone

Oil, Gas and Petrochemical Industries:

- ✓ Detection and location of gas leaks in all types of pipe and connection valves
- ✓ Detection and location of suction in vacuum vessels

Leakage inspection & Partial discharge detector accessories

Ultrasonic horn probe

Plate sonication probe

Generator tone

Flexible sonication probe

Industrial headphones

DC Charger

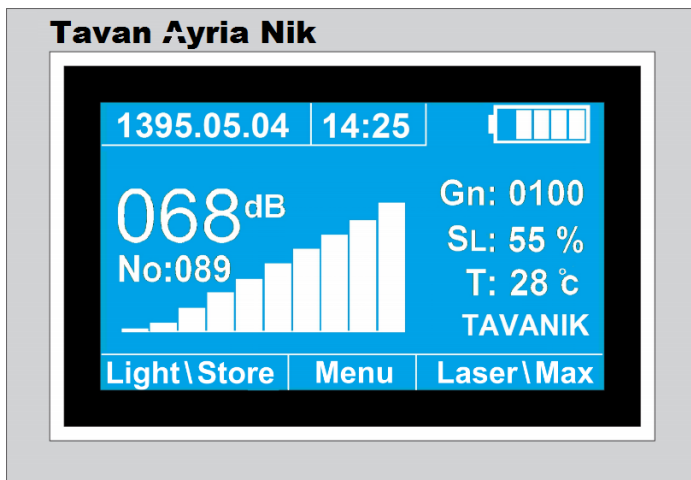
Carrying Case

USB communication cable

User Guide

Software CD & Driver

Display functions and parameters



Set Light / Store Data

Indicates battery status or Micro USB connection

Settings menu

Amplification (Gn)

Bar graph proportional to the level of ultrasound

Number of Ultrasound Detected in a Second (No)

Laser marker / MAX function

Ambient temperature in Celsius (T)

Time (Time and Date)

Sensitivity Level (SL)

The level of ultrasound



Technical Specifications:



Tavan Ayria Nik

charger of inner battery

Input nominal voltage	100 to 240 volts AC
output nominal voltage	12v-one dc amp
frequency	47 to 63 hz
Operating temperature	Up to 50 degrees Celsius
Humidity	Up to 80% non-dense

signal processing

resolution	12 bit
ampilifying	95 dB
filter	filter Hardware bus 10 to 80 kHz Adjustable software interface 10 to 80 kHz with 4 kHz steps

Power supply

Built-in device battery	3.7V-5700 mAh-lithium polymer
Battery backup device	3V lithium ion
Built-in battery tone generator	3.7v,400mah lithium polymer

Display

size	40*70mm
resolution	64*128mm

sensor

Central frequency	kHz
Bandwidth	±2kHz -6dB
sensitivity	65dB0db=1 Volt/ubar rms SPL
Measurement accuracy	±1dB
resolution	1dB
Sensor diameter	16mm

hardware

box	Hard-black plastic
control panel	Membrane Keyboard
connections	BNC external sonication probe Stereo headphone jack 12V DC Charger Jack USB data transfer port

Environmental conditions

Operating temperature	Up to 55 degrees Celsius
humidity	Up to 70% non-dense
IP	54

Dimensions

size	220 *120*65(mm)
weight	600g

- ✓ This product has 18 months replacement warranty and 5 years of after sales service by Tavan Ayrianik.
- ✓ This product has a free one-day training course on leakage inspection and partial discharge locating by an expert at the buyer's company.
- ✓ Experts of Discharge and Leakage Team at the Tavan Ayrianik will answer customer question during office hours 02532816008 .