



# NEPTUNE

MULTIFUNCTIONAL INSTRUMENT FOR  
MEASURING INSULATION AND CONTINUITY OF  
PROTECTIVE CONDUCTORS



CODE **HROOONEP**

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MEASURING INSULATION AND CONTINUITY  
OF PROTECTIVE CONDUCTORS



VOLTAGE  
MAX  
**1000 V**

→ **TRMS**  
AC+DC

**CAT IV**  
**600V**

Insulation  
meter  
**1000 V**

## MULTIMETER SECTION

- > **TRMS**
- > **AC/DC** and **AC+DC** voltage max **1000V**
- > **Low impedance voltage input (LoZ)**
- > **AC TRMS current** up to **3000A** with optional **F3000U** flexible clamp transducer
- > **Automatic recognition of AC and DC values**
- > **Resistance** and **continuity** with buzzer
- > **Current** and **voltage frequency**
- > **MAX/MIN/PEAK/HOLD** functions
- > **9999 counts**
- > Auto power-off function
- > Bargraph function

## ELECTRICAL TESTING SECTION

- > **Insulation** measurement up to **1000V**
- > **PI** and **DAR** parameter measurement
- > **Protective conductor continuity** with **200mA**
- > **Current/voltage harmonics** up to the **25th** order and **calculation of THD%**
- > **Inrush current** (Dynamic INRUSH - DIRC)
- > **Phase sequence** at 1 terminal



# TECHNICAL DATA SHEET

## TECHNICAL SPECIFICATIONS

Counts	9999
DC/AC/ AC+DC TRMS voltage up to 1000V	●
AC and AC+DC TRMS current using standard clamp transducers	●
AC TRMS current using a F3000U flexible clamp transducer	●
Leakage current with optional HT96U current clamp	●
Electric motor starting current (INRUSH)	●
Insulation with voltage 50, 100, 250, 500, 1000VDC	According to IEC/EN61557-2
Dielectric absorption ratio D.A.R measurement	●
P.I. polarisation index measurement	●
Continuity of protective circuit with 200mA	According to IEC/EN61557-4
Voltage and Current Harmonics up to 25th order and calculation of THD%	●
AC/DC Voltage Measurement with low impedance (LoZ)	●
Frequency	●
Phase sequence	●
Resistance and continuity test with buzzer	●
Outcome: OK/NOT OK	●
Bargraph	●
Backlit LCD display	●
MAX/MIN/HOLD	●
Measurement category	CAT IV 600V / CAT III 1000V

## GENERAL SPECIFICATIONS

Dimensions (L x W x H)	175 x 85 x 55mm
Weight (batteries included)	420g
Operating temperature	from 5°C to 40°C
Operating humidity	<80% RH
Protection rating	IP40
Power supply	4x1.5V battery, type AAA IEC LR03

# ACCESSORIES

## STANDARD ACCESSORIES

YAAMK0001HTO	Pair of Red/Black alligator clips
4324-2	Pair of Red/Black banana leads with 2/4mm tip
YABAT0001HTO	Alkaline battery, type AAA IEC LR03 1.5V, 4 pieces
YABRS0002HTO	Carry bag
Complete user manual and management software available online	
Quick start guide	
Calibration certificate ISO9000	

## OPTIONAL ACCESSORIES

F3000U	Flexible clamp with full scale 30/300/3000A AC and banana connectors
HT96U	Standard clamp with full scale 1/100/1000A AC and custom HT connector
HT97U	Rigid clamp with full scale 10/100/1000A AC and custom HT connector
HT98U	Standard clamp with full scale 1000A DC and custom HT connector
HT4006	Standard clamp with full scale 40/400A AC/DC and banana connectors
NOCANBA	Adapter for connecting clamps with custom HT connector

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