



# JUPITER

MULTIFUNCTIONAL INSTRUMENT FOR RCD TESTING  
AND OVERALL EARTH RESISTANCE MEASUREMENTS





CODE **HROOJUPI**

# JUPITER

MULTIFUNCTIONAL INSTRUMENT  
FOR RCD TESTING AND  
OVERALL EARTH RESISTANCE  
MEASUREMENTS



VOLTAGE  
MAX  
**690 V**

→ **TRMS**  
AC+DC

CAT IV  
**600V**

Test  
**RCD**

Overall Earth  
Resistance

## MULTIMETER SECTION

- › AC/DC and AC+DC voltage max **600V**
- › Low impedance voltage input (**LoZ**)
- › AC TRMS current up to **3000A** with **F3000U** flexible clamp transducer (optional)
- › 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 and bargraph function

## ELECTRICAL TESTING SECTION

- › Overall earth resistance **L-PE** without RCD tripping
- › General RCD trip time measurement, type **A**, **AC** and **F** (30mA, 100mA, 300mA)
- › General RCD trip current, type **A** and **AC** (30mA)
- › Loop Impedance **L-L**, **L-N** and calculation of assumed **short-circuit current**
- › Current/voltage harmonics up to **25th order** and calculation of **THD%**
- › Inrush current (Dynamic **INRUSH** - **DIRC**)
- › Phase sequence at 1 terminal



CERTIFICATE OF  
CALIBRATION



# TECHNICAL DATA SHEET

## TECHNICAL SPECIFICATIONS

Counts	6000
AC TRMS current using a F3000U flexible clamp transducer	●
AC and AC+DC TRMS current using standard clamp transducers	●
AC/DC Voltage	●
LoZ low impedance input	690V / AC+DC
AC/DC Current	●
Resistance and continuity test with buzzer	AC+DC with external clamp transducer
Frequency	●
General AC and A/F RCD trip time and current	30mA, 100mA, 300mA
Leakage current (with optional HT96U accessory)	●
Overall earth resistance without differential tripping	●
Voltage and Current Harmonics up to 25th order and calculation of THD%	●
Loop Impedance P-N, P-P, P-PE and calculation of short-circuit current	●
Electric motor starting current (INRUSH)	●
Phase sequence	●
Outcome: OK/NOT OK	●
Backlit LCD display	●
MAX/MIN/HOLD	●
Measurement category	CAT IV 600V / CAT III 690V

## 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 batteries, type AAA IEC LRO3

# ACCESSORIES

## STANDARD ACCESSORIES

C2065	Cable with three Red, Black, Green banana terminals with Shuko plug
4324-2	Pair of measuring leads with 2/4mm termination
YABAT0001HT0	Alkaline battery, type AAA IEC LR03 1.5V, 4 pieces
YABRS0002HT0	Carry bag
Complete user manual available online	
Quick start guide	
Calibration report	

## 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
SP-2002	Belt with magnetic termination

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