



FULLTEST3

MULTIFUNCTIONAL INSTRUMENT FOR SAFETY TESTING ON
MACHINERY AND SWITCHGEAR IN ACCORDANCE WITH
IEC/EN60204-1 AND IEC/EN61439-1-2



CODE **HV000003**

FULLTEST3

MULTIFUNCTIONAL INSTRUMENT FOR
SAFETY TESTING ON MACHINERY AND
SWITCHGEAR IN ACCORDANCE WITH
IEC/EN60204-1 AND IEC/EN61439-1-2



DISPLAY
TOUCHSCREEN



USB
UNIVERSAL SERIAL BUS

- › Dielectric strength testing with test voltage up to 5100V AC in accordance with IEC/EN61439-1-2
- › Loop Impedance L-L, L-N, L-PE and assumed short-circuit current measurement also with high resolution (with optional IMP57 accessory)
- › Protective conductor continuity (test current 200mA and 10/25A)
- › Verification of RCD differential switch tripping, type AC, A/F, B/B+, General, Selective and Delayed up to 1000mA
- › Overall earth resistance measurement
- › Magnetothermal protection (MCB curve B, C, D, K) and fuse (gG, aM) coordination testing
- › Insulation resistance with test voltage up to 1000V DC
- › Residual voltage testing on capacitive elements
- › Leakage current measurement in the outlet and through the clamp (HT96U, optional)
- › Functional test through outlet (power, current)
- › Phase sequence.



CERTIFICATO DI
CALIBRAZIONE



TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS

Continuity of protective circuit with 200mA	●
Continuity of protective circuit with $I > 10A$, $V < 12V$	●
Continuity of protective circuit with $I > 25A$, $V < 12V$	●
Insulation with test voltages 100, 250, 500, 1000VDC	●
Dielectric strength with voltage programmable from 250V to 5100VAC	●
Discharge time/residual voltage on plugs and internal circuits	●
Absorbed/leaked current and power at plug of machines	●
RCD trip time/current, type AC, A/F, B/B+ General and Selective up to 1000mA	●
Contact voltage	●
Line/Loop Impedance and I_{psc} calculation	●
Line/Loop Impedance with high resolution (with optional IMP57 accessory)	●
Overall earth resistance without RCD tripping	●
Leakage current (with optional HT96U accessory)	●
Phase sequence	●
Timer and limit thresholds selectable through programmable ramps	●
USB interface for connection to PC and optional accessories	●
TopView software for data download and analysis	●

GENERAL SPECIFICATIONS

Dimensions (L x W x H)	400 x 300 x 170mm
Weight (batteries included)	15 kg
Operating temperature	from 0°C to 40°C
Operating humidity	<80% RH
Protection rating	IP40
Mains power supply	230V \pm 10%, 50/60Hz \pm 5%
Internal memory	max 999 tests

ACCESSORIES

STANDARD ACCESSORIES

C2033X	Cable with banana, green - black - blue, shuko plug
2310-IECIV-200-N	Test cable, 2m, Black, 0.75m ² , 2 pieces
2317-IECIV-200-R	Test cable, 2m, Red, 2.5m ² , 2 pieces
2310-IECIV-200-B	Test cable, 2m, Blue, 0.75mm ²
2310-IECIV-200-V	Test cable, 2m, Green, 0.75m ²
5066-IECN	Black alligator clip, 4 pieces
404-IECN	Measuring lead, 4mm, Black, 3 pieces
FT3HVPRB1	Set of 2 safety cables for HV testing
FT3BRSN	Accessory carry bag
C2007	USB connection cable
Quick start guide	
Calibration report	
Complete user manual and management software available online	

OPTIONAL ACCESSORIES

HT96U	Rigid clamp with full scale 1/100/1000A AC
IMP57	Accessory for measuring high resolution Loop impedance
C2009AD	Cable with adapter for IMP57 connection
1066-IECN	Connector for cable extensions with banana, 4mm, Black
1066-IECR	Connector for cable extensions with banana, 4mm, Red
FT3BARCR	Bar code reader with USB port
FT3KB DEN	English keyboard with USB
FT3RMTCT	Adapter for remote Start/Stop/Save control with 7m cable and connector
FT3SFTSW	Safety contact with 7m cable + connector
FT3HVTIP	Black banana-lead cable for HV testing
FT3R-GLP	Red green lamp with 7m cable and connector
FT3BLACKBOX	Text box for Fulltest3
FT3MPT2	USB thermal printer with 32 columns

HT ITALIA S.R.L.

Via della Boaria, 40 48018 Faenza (RA) Italy

T +39 0546 621002 | **F** +39 0546 621144

M vendite@ht-instruments.com | **ht-instruments.com**