



METRAHIT | 271 / 27AS

4¾ Place Multimeter and Data Logger, Insulation Resistance Tester



Insulation Resistance Tester, Milliohmmeter, 4¾ Place Multimeter and Data Logger. In addition to a milliohmmeter, an insulation tester has been integrated for measurements up into the gigaohm range. Where service and repairs in the field of aviation technology are involved, the instrument can be used in a broad range of applications.

FEATURES:

- Insulation resistance measurement from 30.00 MΩ to 3.000 GΩ with selectable test voltage of 50, 100, 250 or 500 V
- Milliohmmeter (Kelvin connection) in the following measuring ranges: 3.000 / 30.000 / 300.000 mΩ @ 1 A (pulsed), 30.00 / 300.00 mΩ @ 200 mA, 3.0000 / 30.000 Ω @ 20 mA
- Voltage measurement from 3 V to 600 V_{AC} and 3 V to 600 V_{DC} with a resolution of 30,000 digits
- Continuity and diode testing
- Overload protection
- LCD panel with background illumination
- IR Interface
- Measuring category: 600 V CAT II, IP54 protection

INCLUDED WITH THE METRAHIT ISO

- KS17-S measurement cable set
- 3 rechargeable NiMH batteries (AA)
- NA HT 27 charger
- KC4 set of Kelvin clips (2 pieces)
- DAkS calibration certificate

ADDITIONALLY INCLUDED IN THE AVONIC SET (M227C):

- KC27 set of Kelvin probes (2 pieces)
- HC30 hard case (dark orange)
- USB-Pack (USB cable, CD-ROM with drivers, METRAwin 1.0 / METRAHIT software)

ADDITIONALLY INCLUDED IN THE METRAHIT 27 I SET (M227S):

- HC30 hard case
- KS17-2 measurement cable set

Type	Article
METRAHIT 271	M227B
METRAHIT 27AS	M227C
METRAHIT 271 Set	M227S

METRAHIT | H+E CAR

Measuring Instrument for Hybrid and Electric Vehicles



The METRAHIT H+E CAR is a measuring instrument for testing the electrical safety of hybrid and electric vehicles.

FEATURES:

- Protection against direct contact during charging and discharging
- Protection against indirect contact during discharging (battery in the vehicle) and charging of the drive battery
- Insulation and absence of voltage (insulation resistance between all electrical components of the high-voltage system and the chassis)
- Battery insulation (insulation resistance between the high-voltage battery poles and the metallic chassis)
- Voltage at capacitors
- Same technical characteristic as the METRAHIT 271

INCLUDED WITH THE METRAHIT H+E CAR HC30 (M227O):

- METRAHIT 271 (M227T)
- HC30 hard case, dark orange

ADDITIONALLY INCLUDED WITH THE METRAHIT H+E CAR SET (M227U)

- Hybrid test case kit, orange, with test probes, measurement cables and Kelvin clips

OPTIONS:

- Hybrid test case kit (Z227U)
- ADK Automotive diagnostics case (Z227T)



INCLUDED WITH THE METRAHIT H+E CAR (M227T):

- Rubber holster, orange
- 3 rechargeable NiMH batteries (AA)
- NA HT 27 charger
- Operating instructions in D/GB/F

Type	Article
METRAHIT H+E CAR	M227T
METRAHIT H+E CAR Set	M227U
KS-H&E	Z227U
KS-ADK	Z227T
METRAHIT H+E CAR HC30	M227O