

# Isolation Tester HCN 35M-50000

Model:



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**Low And High Voltage  
Power Supplies**

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## Features

High voltage power supply with two high resolution current measurements in the nA range.

## Displays

3½dig DVM for high voltage

5½dig DVM for current measurement, internal current loop

5½dig DVM for current measurement, external current loop

1. measurement range 0 - 600 µA, resolution 10 nA, 2. measurement range 0 - 60 µA, resolution 1 nA.

## Operation

On the front panel with 10turn potentiometer for high voltage and current  
Measurement range selector for current with hold button

## External operation (available as option)

Analog programming: 0 - 10 V  
Monitor outputs: 0 - 10 V  
Computer interface: RS 232 + IEEE 488

## Technical data

Mains: 230 V ±10%, 47 - 63 Hz  
selectable to 115 V ±10%, 47 - 63 Hz  
**Output**  
Voltage: 0 - 50 kV negative  
Current: 0 - 600 µA  
Voltage stability:  $< \pm 1 \times 10^{-4} / 8h$  from nominal value  
TC:  $< \pm 1 \times 10^{-4} / K$   
Residual ripple:  $< 1\%pp$  from nominal value  
Ambient temperature: 0 to 40°C

## Design

Cabinet: 19" table-top unit, 4 HU (133 mm), 450 mm deep, vibration protected  
Weight: 26 kg  
All terminals on the rear: HV connector S150  
Mains plug  
Terminal for second, external current measurement loop  
(Option analog programming, Interface RS 232 + IEEE 488)

## Application

Isolation test on generators or transformers (winding / earth and winding / winding)  
Detecting of unusual leakage currents and corresponding weak spots in the isolation

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