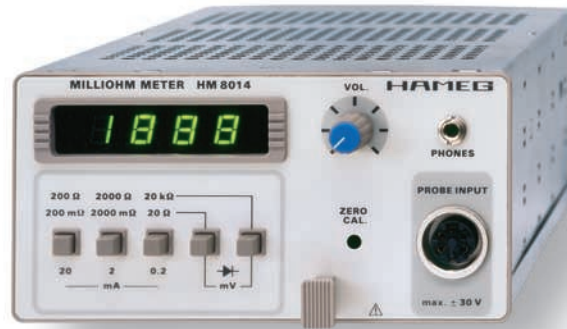


## 3½ - Digit Milliohm Meter HM 8014



HZ19 Test tweezers



HZ17 Test lead (included)



HZ18 Kelvin test lead



Measurement ranges from 200 mΩ to 20 kΩ

Resolution 100 μΩ, basic accuracy 0.25 %

4-wire Kelvin measurement

Low measurement voltages from 4 mV to 200 mV

Low measurement current from 10 μA to 20 mA

Mainframe HM8001-2 or HM8003 required for operation

## 3½ -Digit Milliohm Meter HM8014

Valid at 23 °C after a 30 minute warm-up period

### Operating mode

Milliohm measurement  
Diode testing

### Milliohm measurement

**Measurement ranges:** 200 mΩ-20 kΩ (6 ranges)  
**Type of measurement:** 4-wire measurement (Kelvin test lead)  
**Resolution:** max. 0.1 mΩ  
**Accuracy:** 200 mΩ-20 Ω: 0.25 % of reading ± 2 digits  
200 Ω-20 kΩ: 0.25 % of reading ± 1 digit

### Measurement voltage and current:

Range	max. voltage <sup>1)</sup>	Current	Test voltage
200 mΩ	6 mV	20 mA	4 mV
2 Ω	6 mV	2 mA	4 mV
20 Ω	6 mV	0.2 mA	4 mV
200 Ω	300 mV	1 mA	200 mV
2000 Ω	300 mV	100 μA	200 mV
20 kΩ	300 mV	10 μA	200 mV

**Max. permissible input voltage:** ± 30 V

### Diode testing

**Voltage measurement range:** 1999 mV  
**Accuracy:** 0.25 % of reading ± 1 digit

### Measurement voltage and current:

Range	max. voltage <sup>1)</sup>	Current	Test voltage
1999 mV	3 V	20 mA	2 V
1999 mV	3 V	2 mA	2 V
1999 mV	3 V	200 μA	2 V

Currents can be selected using pushbuttons

**Max. permissible input voltage:** ± 30 V

### Display

3½-digit 7-segment LED display

**Sampling rate:** 3 measurements per second

### Miscellaneous

A built-in loudspeaker emits acoustic signals at different pitches depending on the size of the measured resistance.

Volume adjustable.

**Output power:** 250 mW

When headphones are used, the loudspeaker is automatically deactivated. Zero calibration on the front panel.

**Power supply (from mainframe):** + 5 V/250 mA  
+7.5 V/60 mA  
- 5 V/60 mA  
(Σ = 2.45 W)

**Operating temperature:** +10° C to +40° C

**Max. relative humidity:** 80 % (without condensation)

**Dimensions (W x H x D) (without 22-pole flat plug):**  
135 x 68 x 228 mm

**Weight:** approx. 0.65 kg

<sup>1)</sup> without load

**Accessories supplied:** Operator's Manual, HZ17 4-wire test lead  
**Optional accessories:** HZ19 test tweezers, HZ18 Kelvin test lead

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