



2GA27 **92-5K**

- 8 measuring ranges from 200 mΩ – 2 MΩ
- Four-wire method
- Temperature compensation
- Temperature measurement from -50 to +250°C
- 300 parameter blocks
- LC-Graphic-Display
- CAN / RS 232 interface

The newly designed ohmmeter 92-5K, part of the ViT-instrument series, is a universally applicable measuring instrument with many interesting functions. The device features system capability and is equally well-suited to use in the laboratory, production, quality control department, as well as for the service.

The unit is equipped with different serial interfaces, LC-Graphic-Display, storage for 300 test parameter blocks etc. and offers new standards on functionality and operating comfort.

Especially of interest for use in production and testing is the extremely short measurement time, even for test objects with high inductance (e.g. electric motors) as well as a high reverse dielectric strength of the measurement inputs.

In addition, a temperature measurement device is integrated for Pt100 temperature probes related to the four wire measuring system. The use of this sensor type ensures an exact measurement for every application. Due to the combined measurement of resistance and temperature as well as the choice of accompanying temperature coefficient via the operating software it is possible to standardize the measurement to a reference temperature.

The unit is in Eurocassette format to DIN 41494 and comes in either separate housing or a 19"/3HU subrack.

Dimensions: H = 3 HU 128.5 mm, W = 36 pitches = 182.9 mm, D = 196 mm

#### TECHNICAL DATA:

8 ranges :	200 mΩ ... 2 MΩ -50 ... 250° C
Measuring error:	≤ 0.1 % + 0.05 % of rdg/K + 2 Digit
Measur. currents:	100 mA ... 1 μA
Indication:	LC-Graphic-Display 128 x 64 pixel
Measuring rate:	max. 3/s
Resolution:	12 bit
Mains supply:	230 V ± 10 % 49 – 61 Hz
Dimensions:	Euro-Subdrawer 3 HU / 36 pitches Depth = 196 mm

#### ORDERING DATA

Ohmmeter 36 pitches 2GA27 **92-5K**

#### ACCESSORIES

Module housing 3HU/36TE to accept the ohmmeter 2GA27 **30-6M**

Measuring leads with Kelvin terminals for resistance measurement in four wire technology  
Lead length appr. 1.5 m with laboratory-type plugs 2GA27 **94-5A**

Temperature probe suitable for the ohmmeter  
Sensing element Pt 100 2GA27 **94-5B**