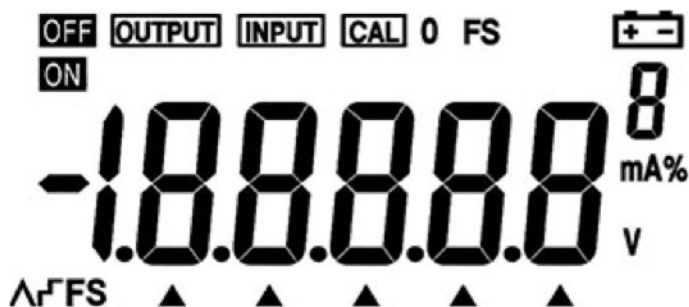


Characteristics

V05+

- ① LC display.
- ② Output / Input selection.
- ③ mA% / V selection.
- ④ 0% & 100% setting
Auto ramp start.
- ⑤ 25% single step
Auto ramp.
- ⑥ Input / Output terminals.
- ⑦ Input Decimal Point Positioning ◀▶
Output Value Setting ▲▼
Cursor Positioning ◀▶.
- ⑧ Single step
Auto switch.
- ⑨ ON / OFF switch.



- ON, OFF Input / output signals are on or off.
- OUTPUT Press the OUTPUT/INPUT button when the symbol OUTPUT appears. Instrument is in an output state.
- INPUT Press the OUTPUT/INPUT button when the symbol INPUT appears. Instrument is in an input state.
- CAL Instrument is in a calibration state.
- 0 FS Instrument is in a calibration state, denoting that the zero point or the full scale point is now in calibration.
- Battery power is low and needs to be replaced.
- ▲ Output digits need to be set.
- V, mA, % Present output or input value (unit of measure).
- rFS High and low-speed auto-ramp, auto-step ramp.

Technical data

The technical data of customised versions may differ from the data in these instructions. Please observe the information specified on the type plate.

Applicable to a temperature range from 18 °C to 28 °C, within one year after calibration.

Characteristics

Model: V05+

Output / Generation	
DC mA generation *1 (<i>Active current</i>)	
- Range	20 mA
- Output range	0...22 mA
- Resolution	0.001 mA
- Accuracy	± (0.05 % + 4 µA)
Transmitter simulation *2 (<i>Passive current</i>)	
- Range	-20 mA
- Output range	0...22 mA
- Resolution	0.001 mA
- Accuracy	± (0.05 % + 4 µA)
Loop supply *3	
- Range	24 V
- Accuracy	± 10 %
Input / Measurement	
Voltage *4	
- Range	28 V
- Output range	-0.2...28 V
- Resolution	0.001 V
- Accuracy	± (0.02 % + 2 mV)
Current *5 (<i>Active current</i>)	
- Range	20 mA
- Output range	-1...22 mA
- Resolution	0.001 mA
- Accuracy	± (0.02 % + 4 µA)
Loop current *6 (<i>Passive current</i>)	
- Range	20 mA
- Output range	0...22 mA
- Resolution	0.001 mA
- Accuracy	± (0.02% + 4 µA)

*1 max. load 1 kΩ at 20 mA.

*2 max. load 1 kΩ at 20 mA, power supply range 5...25 VDC.

*3 max output current up to 25 mA.

*4 input resistance about 1 MΩ.

*5 resistance about 20 Ω.

*6 providing 24 V loop supply.

Characteristics	
Electrical characteristics	
Supply voltage	Battery 2 x1.5 VDC AA (LR6 –AA), Alkaline (Mignon)
Battery life	approx. 20 hrs (about 400 mAh /3V under the condition of 10 mA with 1kΩ load)
Max. permitted voltage	30 V (between any terminals or between any terminal and ground)
Ambient conditions and process variables	
Operating temperature	0...50 °C
Operating relative humidity	≤80 % rH
Storage temperature	-10...50 °C
Storage relative humidity	≤90 % rH
Temperature co-efficiency	0.1× (designated accuracy) %/°C (5 °C~18 °C, 28 °C~40 °C)
Dimensions (LxWxD)	180×90×47 mm (with holster)
Weight	500 g (with holster)



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