PANEL-MOUNT VOLT/AMMETER

COMPACT DC VOLTAGE AND CURRENT METER UP TO 99.9 V / 9.99 A

SPECIAL FEATURES

- Measurement ranges: 0–99.9 V DC and 0–9.99 A DC
- Supply voltage: 3.5–30 V DC
- Can also be powered via measurement voltage
- Dual-color LED display
- Integrated shunt for current measurement
- Wide operating temperature range
- Easy installation with pre-wired 14 cm cables

The COM-VAM10010 is a compact, panel-mount volt/ammeter designed for precise, real-time measurement of DC voltage and current. It covers a wide measurement range of 0–99.9 V DC and 0–9.99 A DC, making it suitable for a variety of applications, from battery and solar monitoring to laboratory and DIY electronics projects.

Its bright dual-color LED display clearly distinguishes between voltage (red) and current (green), ensuring quick and error-free reading even in low-light environments. The integrated shunt enables direct and accurate current measurement without additional components.

The unit operates from a 3.5–30 V DC supply and can also be powered directly from the measured voltage — provided it lies within the 3.5–30 V range. With a fast 500 ms update rate, it delivers timely feedback on changing load conditions.

Measuring only 48 × 29 × 22 mm and supplied with 14 cm pre-wired leads, the COM-VAM10010 is quick to install and robust enough for continuous operation in environments from −10 °C to +65 °C. This makes it a reliable choice for both professional and hobbyist applications.

TECHNICAL SPECIFICATIONS

Operating voltage	3.5 - 30 V DC
Voltage measuring range	0 - 99.9 V
Voltage measuring accuracy	± 0.5 %
Current measuring range	0 - 9.99 A
Current measuring accuracy	± 1 %
Display size	0.28“
Refresh rate	500 ms
Current measuring accuracy	± 1 %
Operating temperature	-10 to +60°C
Display mode	3-digit segment display / per measured value
Display colour	Red (voltage), green (current)
Cable length	14 cm

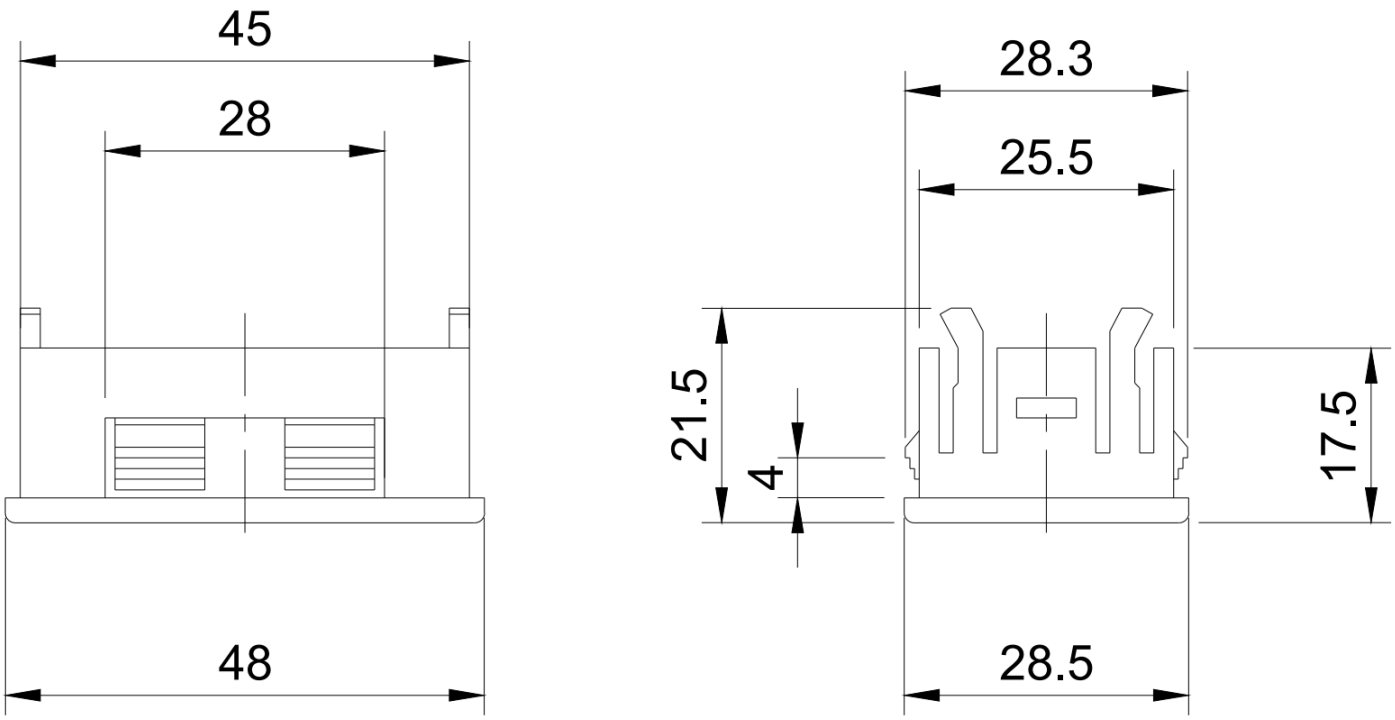
CABLE ASSIGNMENT

Thick red cable	Input current measurement
Thick black cable	Output current measurement
Thin red cable	Input supply voltage
Thin black cable	Ground
Yellow cable	Voltage measurement

ADDITIONAL INFORMATION

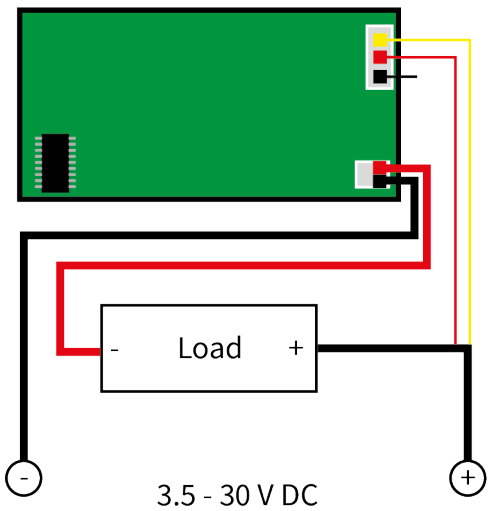
Weight	20 g
Dimensions	48 x 29 x 22 mm
Article no.	COM-VAM10010
Items shipped	1x Panel mount volt/ammeter
Customs tariff number	90303370
EAN	4250236817897

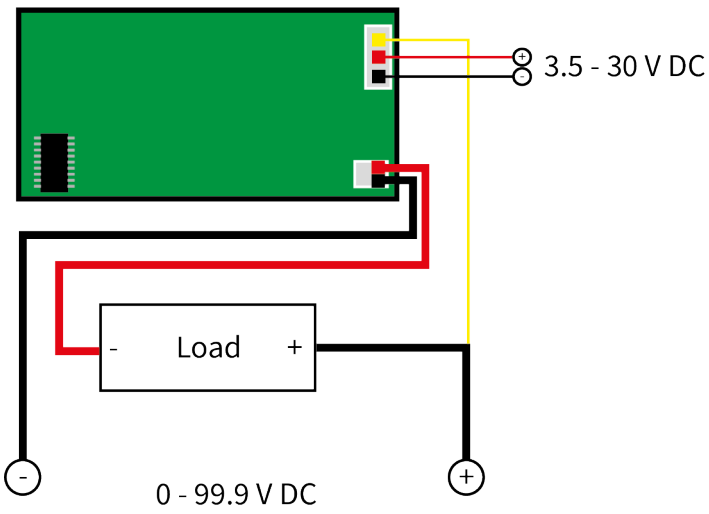
TECHNICAL DRAWING



CONNECTION EXAMPLE

Operation via measuring voltage:



When operating via the measuring voltage, the thin black cable remains unconnected.

Operation with separate power supply: