

MINI DIGITAL VOLTMETER

COMPACT DC VOLTMETER METER UP TO 29.9 V

JOY-IT

SPECIAL FEATURES

- ✓ Wide measurement range: 3 V – 29.9 V DC
- ✓ High precision: $\pm 0.1\%$ accuracy
- ✓ Fine calibration potentiometer
- ✓ Bright 3-digit 7-segment display
- ✓ Compact and lightweight
- ✓ Simple two-wire connection



The COM-VM01 is an ultra-compact digital voltmeter designed for quick and precise DC voltage measurements in electronic projects, prototypes, and monitoring applications. It features a bright red 3-digit 7-segment display with a digit height of 0.36", ensuring excellent readability even in low-light environments.

The module operates directly from the measured voltage, eliminating the need for an additional power source. It supports a wide measurement range from 3 V to 29.9 V DC with a high input resistance of over 100 k Ω , providing accurate readings without influencing the circuit under test. The integrated calibration potentiometer allows fine adjustment for optimal accuracy of up to $\pm 0.1\%$.

Thanks to its compact dimensions (33 × 15 × 11 mm) and low weight of only 5 g, the COM-VM01 can be easily integrated into enclosures, control panels, or embedded systems. With a refresh rate of 300 ms, it provides fast and stable readings, ideal for voltage monitoring tasks in laboratories, vehicles, model building, and industrial equipment.

This mini voltmeter is particularly suitable for use in DIY electronics, battery-powered devices, and mobile measurement setups. Its straightforward two-wire connection (red = positive / black = negative) allows easy installation and immediate operation. Whether used for permanent voltage indication or temporary diagnostics, the COM-VM01 offers a reliable and efficient measurement solution in the smallest possible format.

TECHNICAL SPECIFICATIONS

Operating voltage	3 V - 29.9 V DC
Input resistance	> 100k Ω
Voltage resolution	< 10 V = 0.01 / \geq 10 V = 0.1
Voltage measuring accuracy	\pm 0.1 %
Display size	0.36" per digit
Refresh rate	300 ms
Operating temperature	-10 to +50°C
Display mode	3-digit segment display
Display colour	Red
Cable length	14 cm
Special features	Operation via measuring voltage, calibration potentiometer

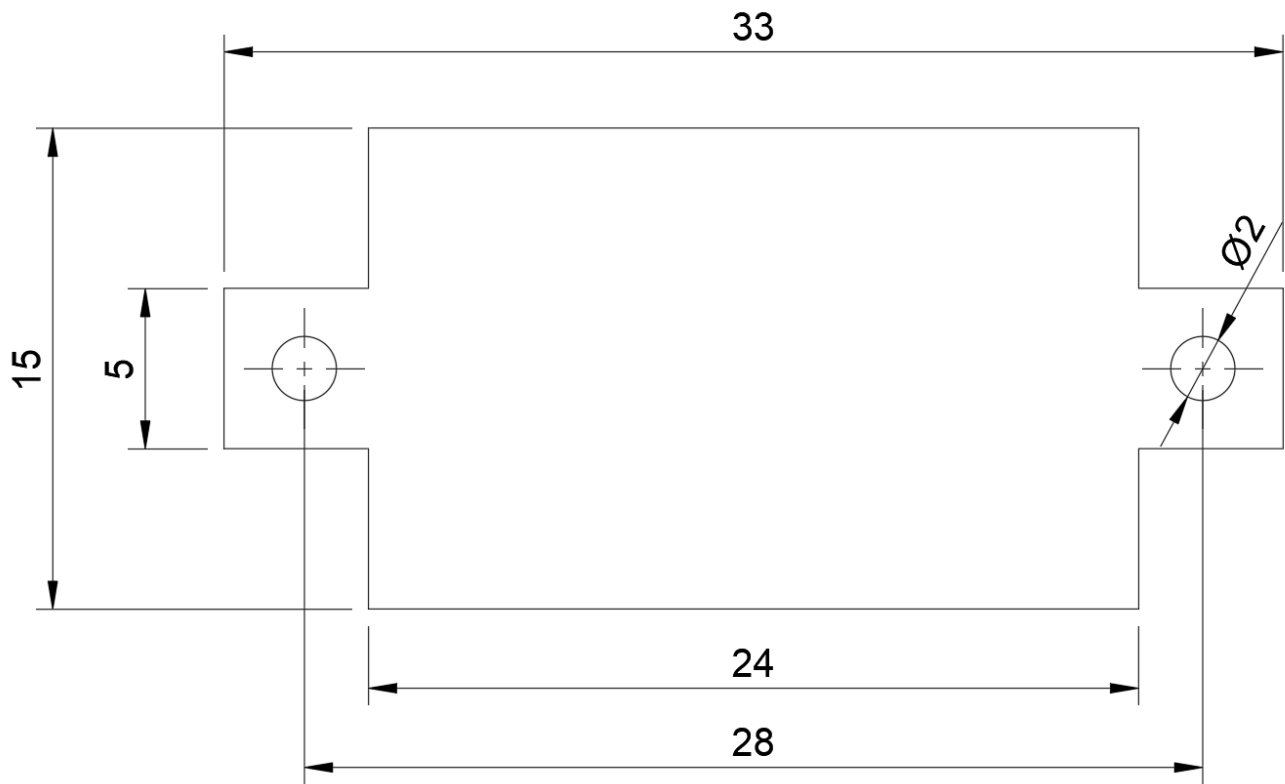
CABLE ASSIGNMENT

Red cable	Input + voltage measurement/ supply +
Black cable	Input - voltage measurement / supply -

ADDITIONAL INFORMATION

Weight	5 g
Dimensions	33 x 15 x 11 mm
Article no.	COM-VM01
Items shipped	1x Mini volt meter
Customs tariff number	90303370
EAN	4250236830308

TECHNICAL DRAWING



CONNECTION EXAMPLE

