

EasyCal MAV

The Hand-held calibrator EasyCal MAV is what the engineers needs for certificate all the current and voltage signals because it is able to measure and generate mA and V signals.
The EasyCal MAV calibrator is compact lightweight and easy to use.

MEASUREMENT			
Range	Meas.Range	Resolution	Accuracy(C195%)
0/20mA	-6 mA/24 mA	1 uA	0,015%R + 2 uA
4/20mA	3.2 mA/24 mA	1 uA	0,015%R + 2 uA
25mA	-6 mA/25 mA	1 uA	0,015%R + 2 uA

Temperature coefficient: <20ppm R/°C from 0 to 18°C and from 28 to 50°C
Possibility of loop supply: 24V ±10%
Rin<30Ω
HART compatibility: R=250 ±5%
Common rejection mode: 120dB at 50 and 60Hz

GENERATION			
Range	Meas.Range	Resolution	Accuracy(C195%)
0/20mA	500uA/24mA	1 uA	0,015%R + 2 uA
4/20mA	3.2mA/24mA	1 uA	0,015%R + 2 uA
25mA	500uA/25mA	1 uA	0,015%R + 2 uA

Temperature coefficient: <20 ppm/°C from 0 to 18°C and from 28 to 50°C
Rising time <500µs (0V to 20mA - on 20 load)
Noise VLF<1µA (at F<100Hz)

MEASUREMENT			
Range	Meas.Range	Resolution	Accuracy
0/10V	-2V / +12V	1mV	0,015%R + 2 mV
25V	-2 / +25V	1mV	0,015%R + 2 mV
50V	-5V / +50V	1mV	0,015%R + 4 mV

Temperature coefficient: <15 ppm R/°C from 0°C to 18°C and from 28°C to 50°C.
Serial rejection mode: 60 dB at 50 and 60 Hz.
Common rejection mode: 120 dB at 50 and 60 Hz

GENERATION			
Range	Meas.Range	Resolution	Accuracy
0/10V	0V/+12V	1mV	0,015%R + 2mV
15V	0V/+15V	1mV	0,015%R + 2mV

Temperature coefficient: <15ppm/°C from 0 to 18°C and from 28 to 50°C
Rising time <1ms (0V to 15V on 1MO load)
R internal <1Ω
Noise VLF<1mV (at F<100Hz)

Ordering Codes:

3407 - A - 1 - B\ENG

Instruction manual (english)

0-None

1-Traceable calibration certificate

Rubber holster

- 0- Alkaline batteries
- 1-Battery pack+charger EU
- 2-Battery pack+charger UK
- 3-Battery pack+charger USA
- 4-Battery pack+charger Schuko

ACCESSORIES:

- Soft carrying case (Ac6908)
- Test leads kit for electric signal(EE300040)

Technical specification:

Measure and generate of current and voltage

Automatic ramps or steps outputs with function for valves verification

Scale function

Continuity test

250 series resistor for HART devices.

Integrated datalogger allow to display the measures into text or graphic format

Bigger graphic display backlight

5 languages menu

Supply: 4 AA alkaline batteries or battery pack with charger (option)

Reference condition: 23°C ± 5°C, relative humidity: 45 % to 75 %

Nominal using conditions: -10°C up to + 50°C, relative humidity: 20 % up to 80 % without condensation.

Limit stocking and transporting conditions: - 30°C up to + 60°C (without battery).

Electrical security according to EN 61010

Electromagnetic compatibility of electrical equipment according to EN61326

Autonomy: up to 40 heures (without 24V loop supply)

Dimensions: 157x85x45 mm (without protection sheath)

Weight: 306 g

Tightness: IP 54 according to EN 60529



Standard supply:

- Instrument
- Rubber holster
- 4 AA batteries (alkaline)
- Instruction manual
- Transporting and hanging handle
- Test leads kit for electric signal