

## Process calibrators // for current and voltage signals



**EC mAV.2**



**UC mAV.2**

### Your advantages

#### Type

EC mAV.2 / UC mAV.2

- Precise simulation and measurement of current and voltage signals
- Simple to use and robust housing
- For mobile on-site calibration

### Technical data

Type	EC mAV.2	UC mAV.2
<b>Current (mA)</b>		
Loop current signal generation	0...22 mA	0(4)...25 mA
Loop current signal measurement	-1...22 mA	-6...25 mA
Accuracy (of reading + const.)	±0.05 %	±0.015 %
Current loop supply	24 V ±10 %, 22 mA	24 V ±10 %, 25 mA
HART Communication protective resistor		250 Ω
<b>Voltage (V)</b>		
Voltage signal generation		0...10(15) V
Voltage signal measurement	-0,2...28 V	-5...50 V
Accuracy (of reading + const.)	±0.02 %	±0.015 %
<b>Continuity (0/C)</b>		
Continuity measurement		0 / C
Switching threshold „open“		1 kΩ



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**Functions**

Type	EC mAV.2	UC mAV.2
<b>Generation</b>		
<b>High-speed call values</b>	7 points (fix) in 25 % steps	10 points (flexible)
<b>Linear steps and ramps</b>	✓	✓
<b>User-defined signal output characteristic</b>		10 points
<b>Editable units</b>		✓
<b>Measurement</b>		
<b>User-defined measuring input characteristic</b>		10 points
<b>Editable units</b>		✓
<b>Measured value min. / max.</b>		✓
<b>Measured value hold function</b>		✓
<b>Averaging function</b>		✓

**General data**

Type	EC mAV.2	UC mAV.2
<b>Features</b>		
<b>Sensor connection</b>	4 safety sockets (1 channel) incl. 2 sets with safety instrument leads (4 mm) and alligator clips	
<b>Power supply</b>	1 x 9 V monobloc battery Operating time approx. 20 h	4 x 1.5 V AA-battery Operating time approx. 25 h or rechargeable battery including power adapter 230 VAC / 12 VDC (optional)
<b>PC Interface</b>		mini-USB Type B
<b>Operator guidance</b>	Keypad	Menu with pull-down windows
<b>Display</b>	Multifunction display LCD, 5½ digit	Multifunction display LCD, 6 digit
<b>Housing</b>		
<b>Version</b>	ABS plastic with protective cover	
<b>Dimensions</b>	200 x 100 x 40 mm (H x W x D)	160 x 85 x 45 mm (H x W x D)
<b>Weight</b>	Approx. 550 g	Approx. 300 g

**Order code**

Type	Version	Order number
EC mAV.2	Accuracy ±0.05 % of reading + const.	EME8VCECMAV020
UC mAV.2	Accuracy ±0.015 % of reading + const.	EME8AOUCMAV020

**Order code**

Accessories	Order number
DAkkS certificate	EKSIMMONO0000D
SIKA works calibration certificate	EKSIMMONO0000W
Transport case	EME8GKK3100000
Plug connector 4 mm, red	EME8AOSKLS40RT
Plug connector 4 mm, black	EME8AOSKLS40SW
Battery and charger for UC series	EME8AOAN601100