Process calibrators // EC mAV.3 // UC mAV.2

for current and voltage signals



EC mAV.3



UC mAV.2

Highlights

- 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.3**	**UC mAV.2**
Current (mA)		
Loop current signal generation	0...30 mA	0(4)...25 mA
Loop current signal measurement	-35...35 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
Voltage (V)		
Voltage signal generation		0...10(15) V
Voltage signal measurement	-35...35 V	-5...50 V
Accuracy (of reading + const.)	±0.02 %	±0.015 %
Continuity (O/C)		
Continuity measurement		O / C
Switching threshold „open“		1 kΩ

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Technical data

Functions		
Type	**EC mAV.3**	**UC mAV.2**
Generation		
High-speed call values	**7 points (fix) in 25 % steps**	**10 points (flexible)**
Linear steps and ramps	✓	✓
User-defined signal output characteristic		**10 points**
Editable units		✓
Measurement		
User-defined measuring input characteristic		**10 points**
Editable units		✓
Measured value min. / max.		✓
Measured value hold function		✓
Averaging function		✓

General data		
Type	**EC mAV.3**	**UC mAV.2**
Features		
Sensor connection	4 safety sockets (1 channel) incl. 2 sets with safety instrument leads (4 mm) and alligator clips	
Power supply	3 x 1.5 V AA battery Operating time approx. 20 h	4 x 1.5 V AA-battery Operating time approx. 25 h
PC Interface		mini-USB Type B
Operator guidance	Keypad	Menu with pull-down windows
Display	Multifunction display LCD, 5½ digit	Multifunction display LCD, 6 digit
Housing		
Version	ABS plastic with protective cover	
Dimensions	200 x 100 x 40 mm (H x W x D)	160 x 85 x 45 mm (H x W x D)
Weight	Approx. 550 g	Approx. 300 g

Article numbers

Order code		
Type	**Version**	**Order number**
EC mAV.3	Accuracy ±0.05 % of reading + const.	EME8VCECMAV030
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

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