

MEX-CM – 4-digit panel meter for the use in hazardous area (ex area) Current loop 4-20 mA

- red display, 8 mm digit height, programmable -999...9999 digit
- input: 4...20 mA current loop
- voltage drop: under 3.2 V
- programming: via 3 keys on the rear side
- unit: programmable 4th digit (°C/°F)
- minimum/maximum memory
- protection class: IP67 front side, IP20 rear side, sealed electronic
- housing: 96x48x30 mm (BxHxD)
- optional: Ex-protection, II 2G Ex ia IIC T6
- accessories: programming set (Adapter, cable, software)
- authorization: EC-type examination certificate ZELM 05 ATEX 0252 X



• Order key - options

M E X - C M 0 0 0 0 0 0

Special type	
<input type="checkbox"/> 0	No
<input type="checkbox"/> 1	Yes (only possible with standard type, please specify)
Dimension strip	
<input type="checkbox"/> 0	None ²
<input type="checkbox"/> 1	With (please specify)
Configuration	
<input type="checkbox"/> 0	Factory setting ¹
<input type="checkbox"/> 1	Customer-specific (please specify)
Connection	
<input type="checkbox"/> 0	Terminal strip
Housing	
<input type="checkbox"/> 0	Panel mounting, 96x48 mm
Type	
<input type="checkbox"/> 0	Standard
<input type="checkbox"/> 1	II 2 G Ex ia IIC T6

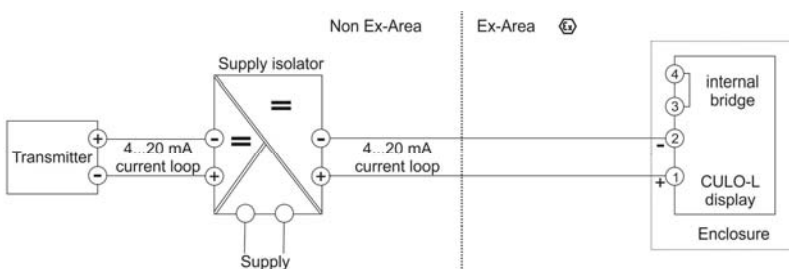
Price on request

- 1) Factory setting: Display: 0...250°C / Display time: 1 sec / Decimal point: without unit / Unit: °C / Zero point steadying: 2 / Programming interlock: without / Supporting points: without / TAG-number: 0
- 2) Dimension strip: The dimension strip can be adjusted by the user, by inserting it under the foil from the side of the device.

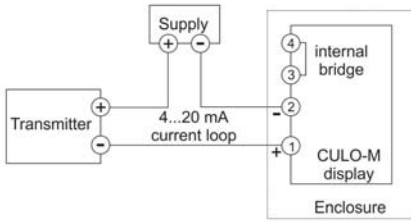
• Accessories

Programming set (Adapter, cable, software)

• Connection current loop display – for Ex-type



• **Connection current loop display – for standard type (no Ex-Type)**



• **Technical data**

Input
 Current loop 4...20 mA
 Input resistance $R_i < 160 \text{ Ohm}$ ($U = < 3.2 \text{ V}$)

Accuracy
 Resolution -999...9999 digit
 Measuring fault $\pm 0.2\%$ of measuring range, ± 1 digit
 Temperature drift 100 ppm/K

Indication
 Display 7 segment, 14 mm, red, 4-digit
 Overflow / Underflow to HI / to LO
 Display time 0.1 sec – 1 sec – 10 sec (adjustable)

Ambient conditions
 Working temperature Standard: $0...+80^\circ\text{C}$ / Ex type: $-20...+50^\circ\text{C}$
 Storing temperature $-20...+80^\circ\text{C}$

Programmable characteristics
 Display range, display time, decimal point, unit ($^\circ\text{C}/^\circ\text{F}$), zero point steadying, programming interlock, supporting points, TAG-number

Authorization
 EC-type examination certificate: ZELM 05 ATEX 0252 X

Mechanic		
Housing	Panel mounting	96x48x28 mm
	Material	Polycarbonate
	Inflammability	UL94 HB
	Fixing	2 elements
Sealing	Flat seal	EPDM, 65 Shore, black
Assembly	Cut-out	92x45 mm
	Wall thickness	up to 3 mm
Protection class	Front	IP67
	Connection	IP20
Connection	Terminal strip	4-pole
	Cross section	up to 1.5 mm^2
Weight	approx. 75 g	

• **Dimensions**

