

IMEX-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

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

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

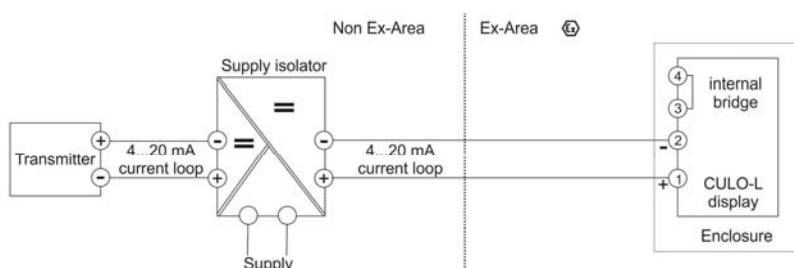
Price on request

- 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.

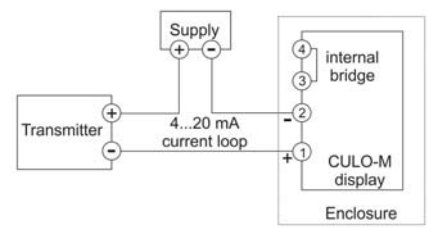
• Accessories

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

