

# Technical data - CMA 03-CH

Designation		CMA 03-CH
Design		Cylindrical Housing Design, Aluminium
Accuracy class		<b>0,1</b>
Sensors to be connected: - strain gauge, full bridge	$\Omega$	admissible connection impedance 350 to 1000
Bridge excitation voltage	V DC	10
Nominal gain $G_{nom}$		667
Nominal measuring range $U_{sig}$	mV	$\pm 15$
Adjustment range calibration (CAL)	% $F_N$	n/a
Adjustment range zero ( ZERO )	% $F_N$	$\pm 45$
Cut-off frequency $f_c$ ( -3 dB )	Hz	approx. 70
Output - voltage output ( standard ) - current output 0-20 ( optional ) - current output 4-20 ( optional )	V mA mA	0 to $\pm 10$ , max. 1 mA 0 to + 20, admissible load 0 to 300 $\Omega$ 4 to + 20, admissible load 0 to 300 $\Omega$
Nominal temperature range	$^{\circ}C$	0 to + 50
Operation temperature range	$^{\circ}C$	0 to + 50
Storage temperature range	$^{\circ}C$	- 30 to + 75
Temperature influence per 10 $^{\circ}C$ - on zero at amplifier output - on calibration	mV % v.E.	< 10 < 0,05
Supply voltage	V DC	20 to 28
Current consumption ( with 350 $\Omega$ bridge, no load )	mA	approx. 36
Dimensions ( L x W x H )	mm	see drawing
Weight ( without connection cable )	g	approx. 100
Connection cable  - Sensor connection  - Power / Out connection	robust, flexible, shielded, 4 x 0,14 mm <sup>2</sup> cable $\varnothing$ 4,5 mm, open ends with splices sheath special PVC operating temperature -30 to +80 $^{\circ}C$ 1 m long, open ends, firmly connected at MV with optional cable jack, 6-pin 270 $^{\circ}$ , gold-plated contacts 5-pin 180 $^{\circ}$ , gold-plated contacts	