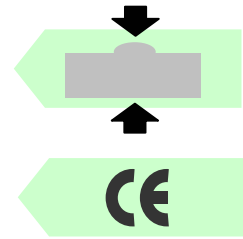
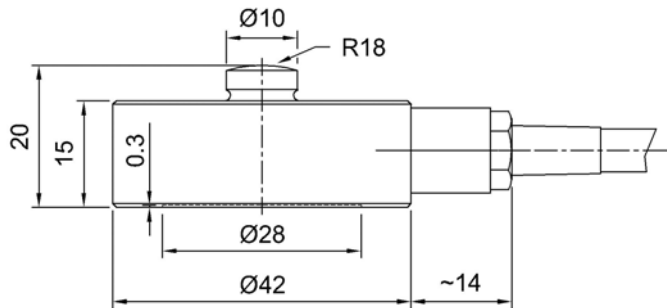


Dimensions Ø42 [mm]



2mV/V model for connection to Load Cell Instrument's

4-20mA amplified output for PLC connection



RoHS
COMPLIANCE

Linearity - Hysteresis

≤±0.20%

NOMINAL LOAD	CODE	
	2mV/V Ø42	4-20mA Ø42
100 kg	CM42100K3	CMAMP100K3
250 kg	CM42250K3	CMAMP250K3
500 kg	CM42500K3	CMAMP500K3
1000 kg	CM421T3	CMAMP1T3
2500 kg	CM422T53	CMAMP2T53
3500 kg	CM423T53	CMAMP3T53
5000 kg	CM425T3	CMAMP5T3

2 mV/V

Standard Output

4-20mA
(2 wires)

Amplified Output

Compact size
Completely LASER welded

Electrical Connections

STANDARD: 2mV/V OUTPUT

PVC 70°C shielded cable, Ø 4.2mm with 4 tinned Ø 0.14mm² conductors.

Load cell	OUTPUT	CABLE	MIL7M (optional)	DB9M (optional)
	EXCITATION+	Red	C	3
	EXCITATION -	Black	B	4
	OUTPUT+	White	A	1
	OUTPUT-	Yellow	D	2
	-----	Shield*	E	5

Connected to the body of the load cell.

Amplified: 4-20mA OUTPUT

PVC 70°C shielded cable, Ø 4.2mm with 4 tinned Ø 0.14mm² conductors.

Amplified	OUTPUT	CABLE	MIL7M (optional)	DB9M (optional)
	POWER+	Red	C	3
	SIGNAL -	Black	B	4
	N.C.	White	A	
	N.C.	Yellow	D	
-----	-----	Shield*	E	5

*Connected to the body of the Load cell

CM - CMAMP

Technical Data



NOMINAL LOAD	100-250-500-100-2500-3500-5000 kg ⁽¹⁾
NOMINAL SENSITIVITY	2 mV/V
CALIBRATION TOLERANCE	≤ ±0.2% F.S.
TEMPERATURE EFFECT (10 °C):	
a) on zero	≤ ± 0.030% F.S.
b) on sensitivity	≤ ± 0.025% F.S.
LINEARITY	≤ ±0.20% F.S.
HYSTERESIS	≤ ±0.20% F.S.
REPEATABILITY	≤ ±0.05% F.S.
INPUT RESISTANCE	400 ± 20Ω
OUTPUT RESISTANCE	350 ± 2Ω
INSULATION RESISTANCE	> 5 GΩ
ZERO BALANCE	≤ ±1% F.S.
RECOMMENDED SUPPLY VOLTAGE	10 V
NOMINAL SUPPLY VOLTAGE	1-15 V
MAXIMUM SUPPLY VOLTAGE	18 V
MECHANICAL LIMIT VALUES:	
a) service load	120% F.S.
b) max permissible load	150% F.S.
c) breaking load	>300% F.S.
d) max transverse load	50% F.S.
e) max permissible dynamic load	50% F.S.
DISPLACEMENT AT NOMINAL LOAD	~ 0.2 mm
REFERENCE TEMPERATURE	+23 °C
TEMPERATURE NOMINAL RANGE	-10/+40 °C
SERVICE TEMPERATURE	-20/+70 °C
STORAGE TEMPERATURE	-20/+80 °C
WEIGHT	0.20 kg
PROTECTION CLASS (EN 60529)	IP67
EXECUTION MATERIAL	inox / Stainless Steel
CABLE LENGTH	3 m

⁽¹⁾ N calibrations on request.

OPTIONALS

AMPLIFIED OUTPUT	4-20mA (2 wires)
SENSIVITY TOLERANCE	≤ ±0.1 % F.S.
ZERO BALANCE	≤ ±1.0 % F.S.
NOMINAL POWER SUPPLY	12-24Vdc
MAX. ABSORPTION:	30mA
LOADING RESISTANCE:	from 0 to 470Ω
CONNECTION	<i>MIL 7 Poles Male connector or DB9M</i>
PROTECTION CLASS (EN 60529)	IP65

Nordic Transducer

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In order to improve the technical performances of the product, the company reserves the right to make any changes without notice.