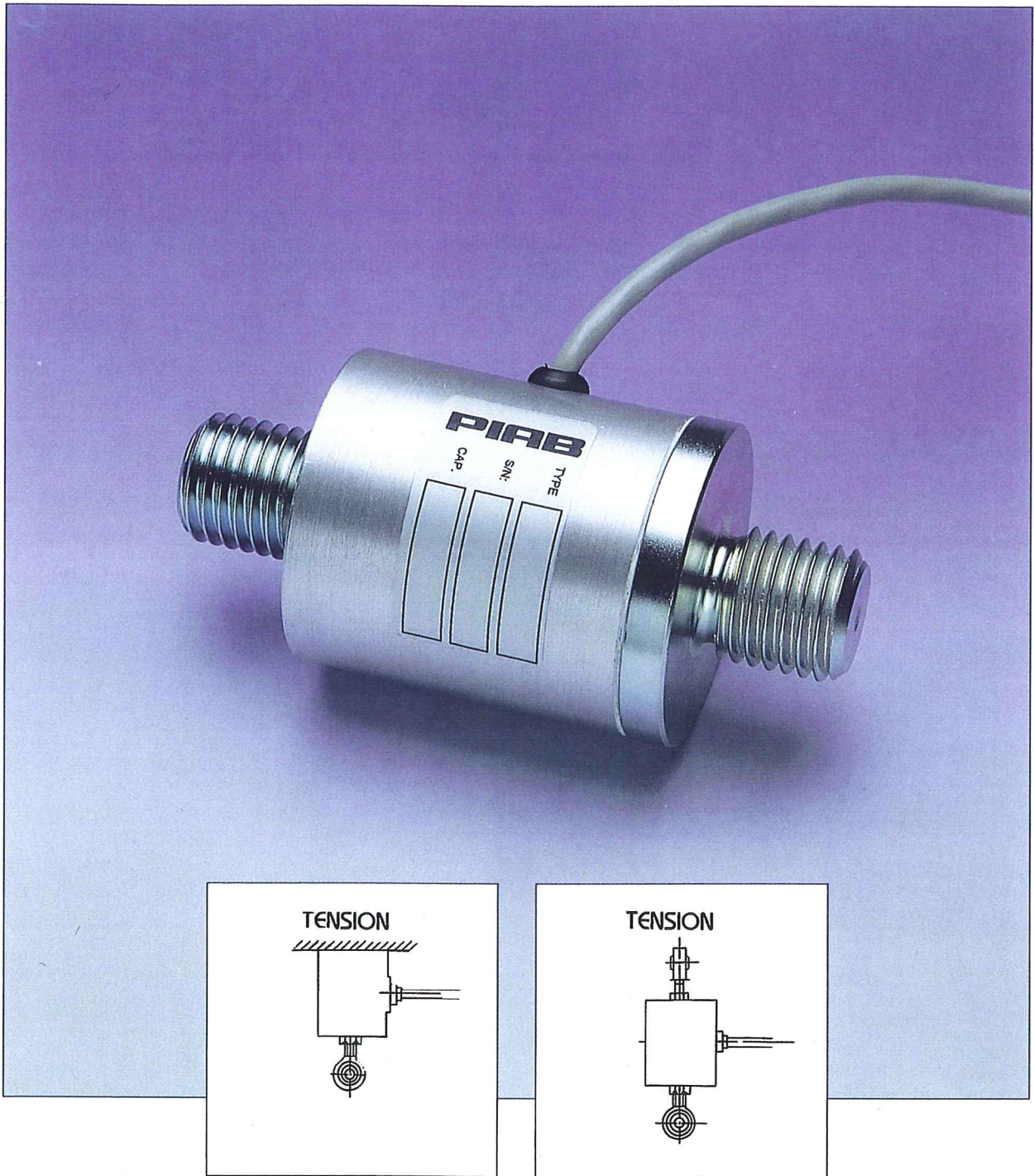


LOAD CELL TYPE NMC



The PIAB NMC Load cells is designed for aggressive industrial use for measuring tensile loads.

PIAB™

TECHNICAL DATA

NON-LINEARITY % of R.O.	<+/-0.1
HYSTERESIS % of R.O.	< 0.2
REPEATIBILITY % of R.O.	<+/-0.05
CREEP ERROR AT R.C. 30 MIN % of load	<+/-0.1
CREEP BETWEEN 20 AND 30 MIN % of load	<+/-0.02
MINIMUM LOAD OUTPUT RETURN % of R.O.	<+/-0.1
EXITATION V	10 (I5)
INPUT RESISTANCE Ohm	410+/-20
OUTPUT RESISTANCE Ohm	350+/-3
INSULATION RESISTANCE Gohm	>5
TEMP.EFFECT ON MIN.LOAD OUTP. % of R.O./°C	<+/-0.01
TEMP.EFFECT ON SENSITIVITY %/°C	<+/-0.01
COMPENS.TEMP.RANGE °C	-10 - +40
OPERATING TEMP.RANGE °C	-30 - +70
SAFE LOAD % of R.C.	150
BREAKING LOAD % of R.C.	>400
WEIGHT kg	0.5
PROTECTION CLASS IP 65.	
SURFACE PROTECTION	El. zink cated and chromated.
CABLE LENGTH	5 m (available with connector).

Continuous product development
may change specification.



FEATURES

- Designed for tensile load.
- Can be used for compression.
- Nominal load from 1000 kg to 5000 kg (10 kN to 50 kN).
- Simple mounting.

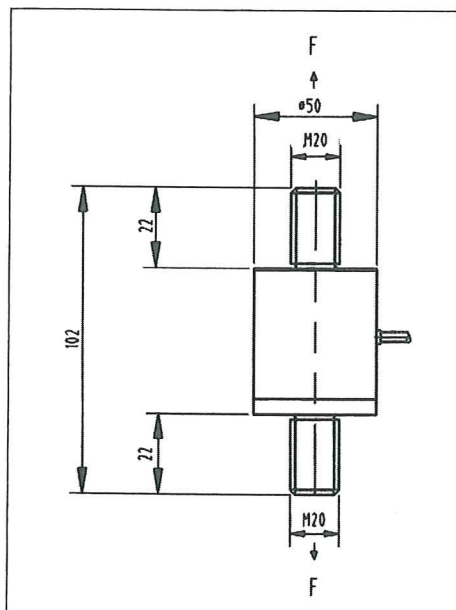
DESCRIPTION

The diameter is 50 mm and length is 102 mm. Capacity ranges goes from 1000 kg (10 kN) to 5000 kg (50kN). M20 threads in both ends. The load cell is manufactured in one billet of hardened alloy steel.

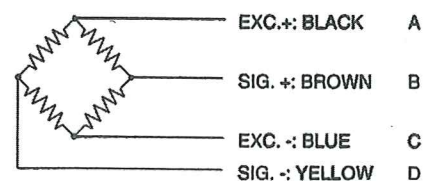
The load is detected by strain gauges connected in a bridge delivering an analogue signal in proportion to the load.

The strain gauges are hermetically sealed and covered by a metal housing.

MODELL	NMC10	NMC20	NMC50
RatedCap. (R.C.) kg/kN	1000/10	2000/20	5000/50
Rated Outp. (R.O) mV/V +/-0.1 %	1.8	1.8	1.8



WIRING SCHEMATIC



GIGASENSE
Force Measurement

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