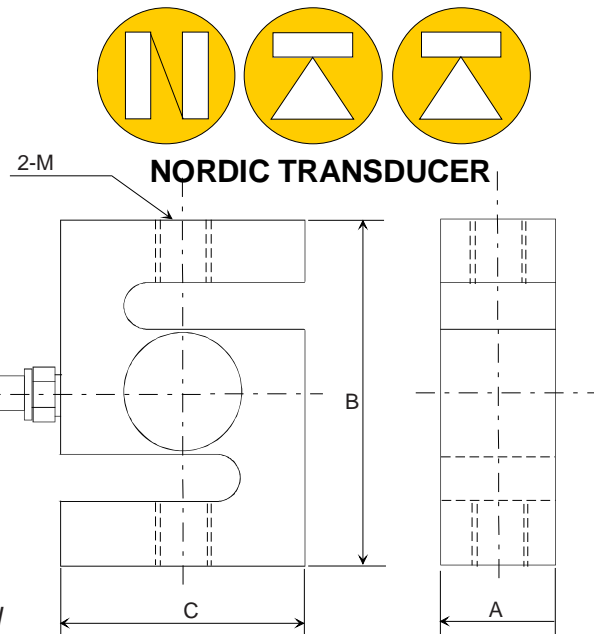


# S Beam Model TCTN-9110 50N - 200kN Transducer Tension / Compression



Model **TCTN-9110** is an sealed (5000N-200kN) nickel plated tool steel S beam Transducer. Designed for tension and compression. This cost effective product finds application in a wide range of environments also as high accuracy tension Transducer for usage even in EN ISO 376 based tensile testing machines.

Capacity**	A	B	2M	C
0-50N, 0-100N, 0-200, 0-250N, 0-500N	12.7	64	M8 *1.25	51
0-1kN, 0-2kN, 0-3kN, 0-5kN	19.1	76	M12*1.75	51
0-10kN, 0-15kN	25.4	76	M12*1.75	54
0-20kN ( only at special order)	25.4	82	M18*1.50	58
0-20kN, 0-25kN, 0-30kN, 0-50kN	25.4	82	M20*1.50	58
0-100 kN	51.0	178	M30*2.0	127
0-200kN	60.0	188	M39*2.0	140

\*\*Capacities has to be seen as say 0-100N, 0-25kN and so on in all the different capacities shown.

## TCTN-9110 SPECIFICATIONS

NOMINAL LOAD	50N ... 200,000N	a) minimum load	0%
MINIMUM RANGE	25%	b) service load	100%
COMBINED ERROR	< +/- 0.04%	c) max. permissible load	120%
NON REPEATABILITY FS	< +/- 0.01%	d) breaking load	>300%
Creep % FS 30 min. 20 MIN	< +/- 0.03	e) max. side load	100%
TEMPERATUR EFFECT 10°C		PROTECTION CLASS 50..1kN	IP64
on zero	< +/- 0.05 %	2kN ... 100kN	IP65
on span	< +/- 0.1 %	Potted and seal	50N ... 5000N
NOMINAL SENSITIVITY +/-0.01	3mV/Volt	Potted and metal seal	10kN ... 200kN
INPUT RESISTANCE	385 +/- 10 Ohm	NOMINAL TEMP. RANGE	- 10/+40 °C
OUTPUT RESISTANCE	350 +/- 30hm	SERVICE TEMP. RANGE	-20/+70 °C
ZERO BALANCE FS	+/-1.0%	CELL MATERIAL (Nickel Plated)	Tool Steel
SUPPLY VOLTAGE	5V - 15 Volt	CABLE	Ø5 x 5 meter

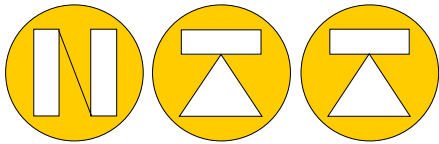
All specifications subject to change without notice

Ref. force: 1 kg = 9.80665N

Please notice: all capacities can be delivered as 2mV/V +/-0.1% at special order

5 point Load Cell Test Report come with all the load cells, showing Non linearity, Repeatability & Hysteresis.

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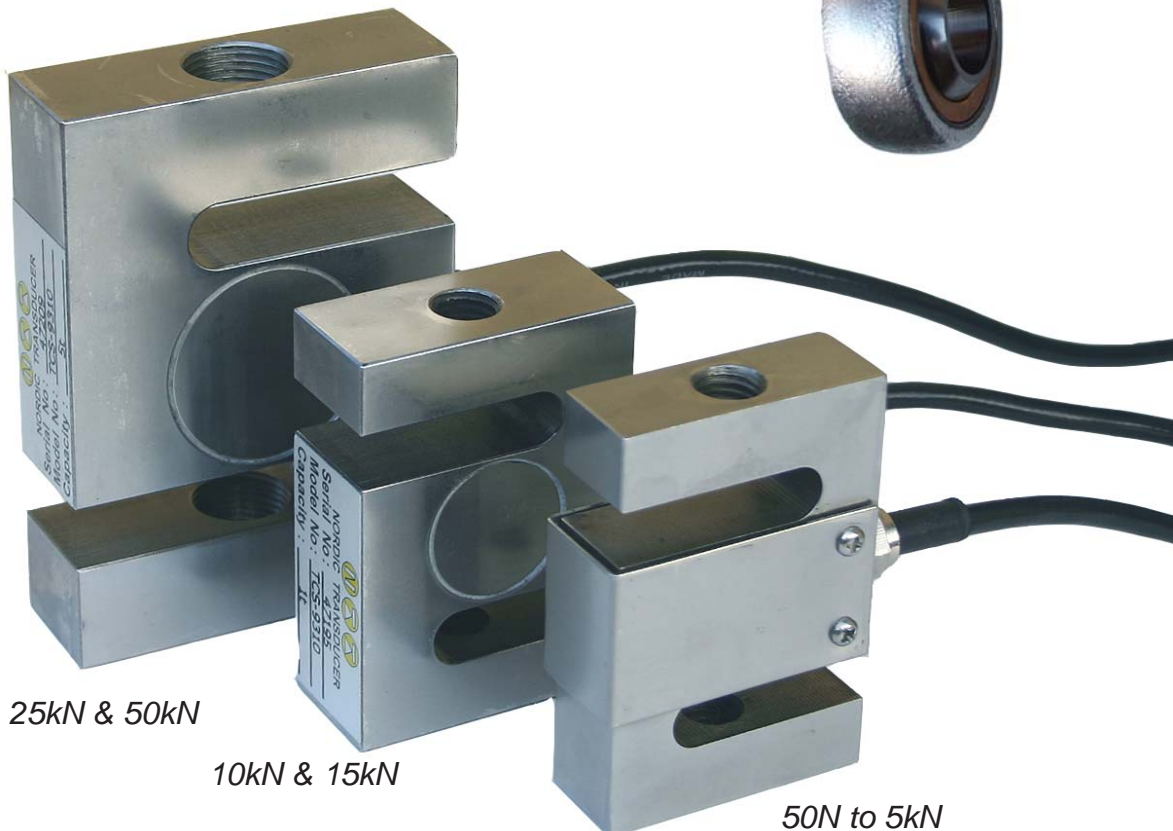
**NORDIC TRANSDUCER**

## *S Beam Model TCTN-9110*

*Rod end bearings can also be supplied for all TCTN-9110 capacities*

**Cable color code**

Red + Excitation	Green + signal
Black - Excitation	White - signal



*25kN & 50kN*

*10kN & 15kN*

*50N to 5kN*

*Complete closed by special potting compound and then protected by i integrated cover plate as shown*

*Complete closed by special potting compound and then protected by outside mounted cover plate as shown*