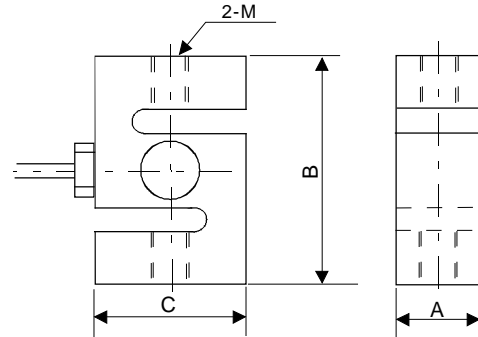
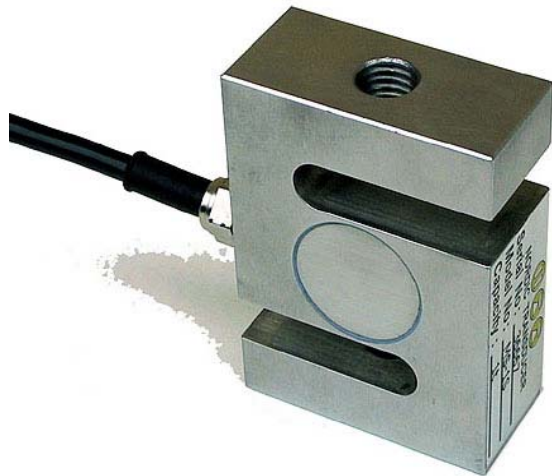
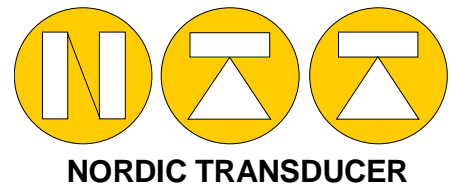


S Beam Model TCS-9310

Stainless Steel Transducer

250kg - 5t Tension or Compression



The Model **TCS-9310** is a sealed stainless steel S beam Transducer, designed for tension and compression. The IP65 potted and metal seal construction withstand wash down and high humidity conditions. **TCSW-9310** can be supplied as welded IP67 model from 1ton up.

This cost effective product finds application in a wide range of environments also as very good accuracy tension Transducer for various machines.

Capacity**	A	B	2-M	C
250, 500kg	19.1	76	M12*1.75	51
1ton, 1.5ton	25.4	76	M12*1.75	54
2.5t, 3t, 5t	25.4	108	M20*1.50	76

**Capacities has to be seen as say 0-250kg and so on in all the different capacities shown

TCS-9310 SPECIFICATIONS

NOMINAL LOAD	250kg ... 5t	a) minimum load	0%
MINIMUM RANGE	25%	b) service load	100%
COMBINED ERROR	< +/- 0.05%	c) max. permissible load	120%
NONREPEATABILITY	< +/- 0.01%	d) breaking load	>300%
ZERO DRIFT 20 MIN	< +/- 0.03%	e) max. side load	100%
TEMPERATURE EFFECT 10°C		PROTECTION CLASS	IP65
on zero	< +/- 0.05 %	Potted and protection plate	250kg ... 500kg
on span	< +/- 0.1 %	Potted and Welded metal seal	1t ... 5t
NOMINAL SENSITIVITY +/-0.1%	3mV/Volt	NOMINAL TEMP. RANGE	- 10/+40 °C
Tension only ! Compression can differ. from this.		SERVICE TEMP. RANGE	-20/+70 °C
INPUT RESISTANCE	385 +/- 10 Ohm	CELL MATERIAL	Stainless steel
OUTPUT RESISTANCE	350 +/- 3 Ohm	CABLE	ø 5 x 5 meter
ZERO BALANCE	1.0%		
SUPPLY VOLTAGE	5V - 15 Volt		

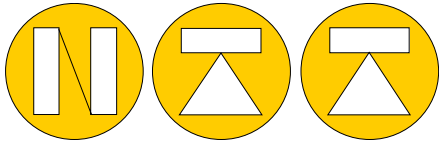
All specifications subject to change without notice

Cable color code

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

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

Nordic Transducer Als Oddevej 85 DK-9560 Hadsund Danmark
Ph. +45 98 58 14 44 fax. +45 98 58 18 66 e-mail: ntt@ntt.dk WEB: www.ntt.dk



NORDIC TRANSDUCER

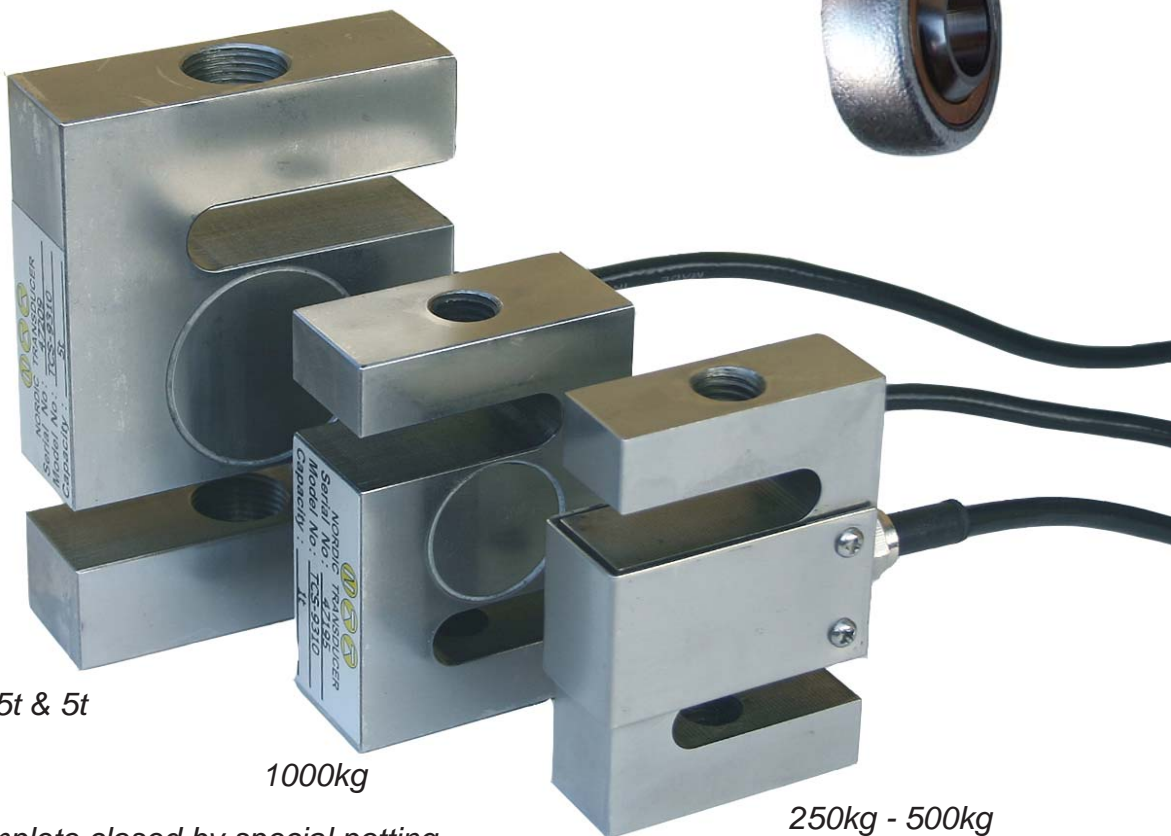
S Beam Model TCS-9310

Rod end bearings can also be supplied for all TCS-9310 capacities

Please notice following;
Standard test follow each cell made at tension.
Proper bearings like these, must be used to give the Load cell a freedom of movement under loading.
Deflection at Emax. < 0.5mm
Other types of tools has to be used under correct compression usage !



TCS-9310 in 3 sizes to 5t



2.5t & 5t

1000kg

250kg - 500kg

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