

Non-rotating torque meters with hexagonal head.



Model 6500B - 500 N·m



Features

- o Wide range of capacities: from 2 to 1000 N·m
- o Cable output with radial connector (see drawing)
- o Mechanical fastening by collar (see drawing)
- o Protection class: IP54
- o Material: stainless steel

Most popular options



Ex i



**Application(s)** SENSY's torque meters 6500B are perfectly designed for the following applications:

- Calibration of industrial torque wrench with torque control,
- Servo control or torque limitation in industrial process.

**Capacities**

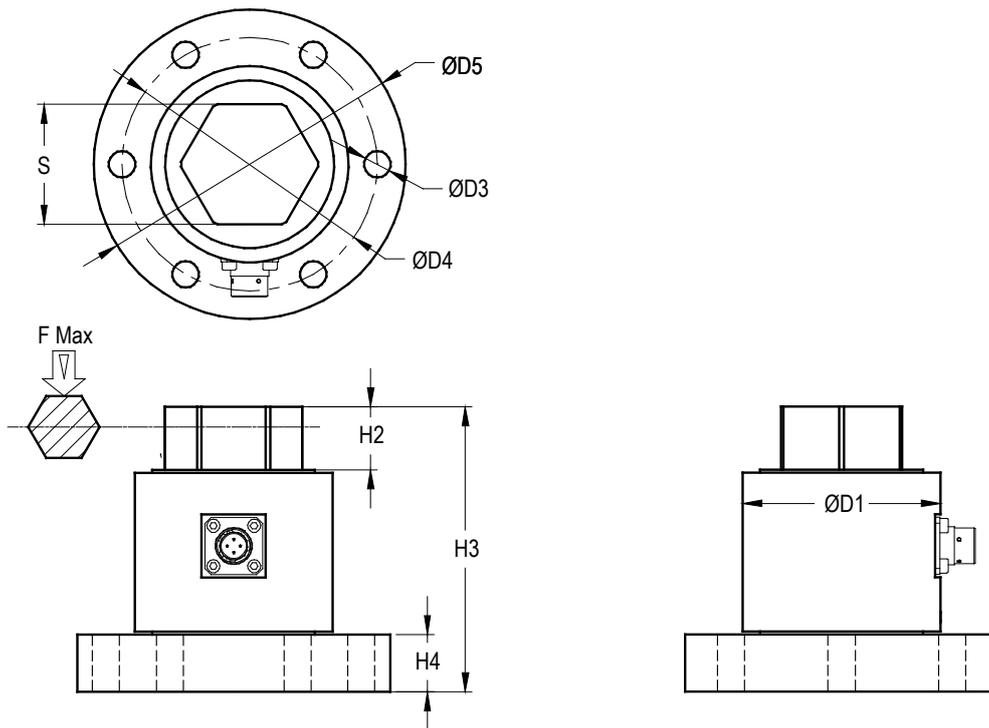
6500B: 2 - 5 - 10 - 20 - 50 - 100 - 200 - 300 - 500 - 750 - 1000 N·m

Specifications	0.25 %	
Combined error (non-linearity + hysteresis)	<± 0.25	% F.S.*
Repeatability error	<± 0.1	% F.S.*
Creep error over 30 min.	<± 0.1	% F.S.*
Zero shift after loading	<± 0.025	% F.S.*
Reference temperature	23	°C
Compensated temperature range	-10...+45	°C
Service temperature range	-30...+70	°C
Storage temperature range	-50...+85	°C
Temperature coefficient of the sensitivity	<± 0.05	% F.S.* / 10°C
Temperature coefficient of zero signal	<± 0.035	% F.S.* / 10°C
Zero balance	± 0.02	mV/V
Nominal sensitivity	1.5	mV/V
Sensitivity tolerance	<± 0.3	%
Input resistance	350 ± 2	ohm(s)
Output resistance	350 ± 2	ohm(s)
Insulation resistance (50 V)	> 5000	Mohm(s)
Reference excitation voltage	10	VDC
Permissible nominal range of excitation voltage	3...12	VDC
Safe load limit	120	% F.S.*
Breaking load	>300	% F.S.*
Permissible dynamic loading	40	% F.S.*
Static lateral force limit	10	% F.S.*

\* F.S. : Full Scale.

Specifications subject to change without notice..

6500B > STANDARD DIMENSIONS

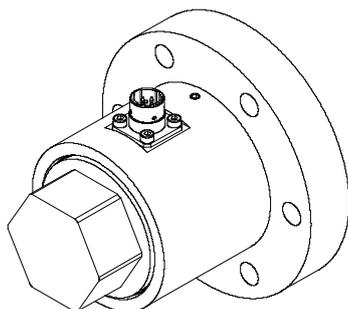


Ref. Item	Capacities	H2	H3	H4	ØD1	ØD3	ØD4	ØD5	S	F (N)	CL (m)
6500B-A	2 - 20 N·m	15	78	8	35	4x4.2	45	54	13	40	3
6500B-B	50 - 300 N·m	15	81	11	54	4x6.5	68	79	24	200	3
6500B-C	500 - 750 N·m	17	85	16	62	6x8.5	80	98	24	1600	3
6500B-D	1000 N·m	20	90	18	62	6x8.5	80	98	38	3000	6

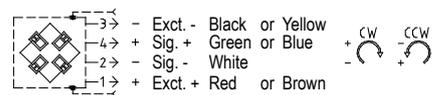
→ Other capacities and dimensions available on request

Dimensions in mm

Other view



Wiring



**JAEM-GD**

Standard: Cable screen not connected to the transducer

Load direction

