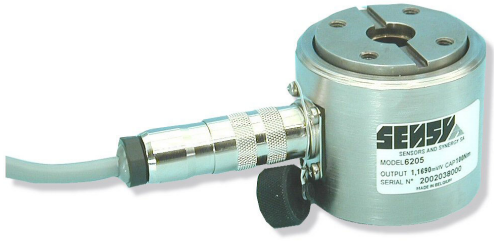
www.sensy.com

6200-6205 REACTION TORQUE METER

- Universal non - rotating torque meter
- Broad range of capacities : from 10 to 2000 Nm
- Easy to install
- Compact design
- Protection IP 65 (IP54 for 10 and 20Nm)
- EEx ia IIC T4 / T6 version certified for use in explosive areas
- Available in version High temperature
- Available in high output signal
- Available with double Wheatstone bridge
- Material : Stainless (6200) or nickel plated steel (6205)



Model 6200 – 500 Nm

Model 6200 and 6205 from SENSY are designed for following applications:

- Torque measurement on machines
- Servo control or torque limitation on industrial process
- Calibration of screw drivers
- Torque measurement in laboratories

AVAILABLE CAPACITIES:

6200 - 6205 : 10 - 20 - 50 - 100 - 200 - 500 - 1000 - 2000 Nm

Technical characteristics		
Accuracy class		0.25
Linearity error	% F.S.	< ± 0.25
Non-repeatability	% F.S.	< ± 0.1
Creep error over 30 min.	% F.S.	< ± 0.075
Return to Zero	% F.S.	< ± 0,025
Reference temperature	°C	23
Nominal temperature range	°C	- 10...+ 45
Service temperature range	°C	- 30...+ 70
Storage temperature range	°C	- 50...+ 85
Temperature coefficient of the sensitivity	% /10°C	< ± 0.05
Temperature coefficient of the Zero signal	% F.S./10°C	< ± 0.035
Nominal sensitivity	mV/V	1 - 1.5
Zero balance	mV/V	± 0.02
Sensitivity tolerance	%	< ± 0.2
Input/Output resistance	Ohm	350 ± 20
Insulation resistance	MOhm	> 5000
Nominal excitation voltage	V	5 to 10
Nominal range of excitation voltage	V	2…15
Safe load limit	% F.S.	150
Breaking load	% F.S.	300
Permissible dynamic loading	% F.S.	50

F.S.: full scale Specifications subject to change without notice

STATIC TORQUEMETER

model 6200 stainless steel
model 6205 alloy steel

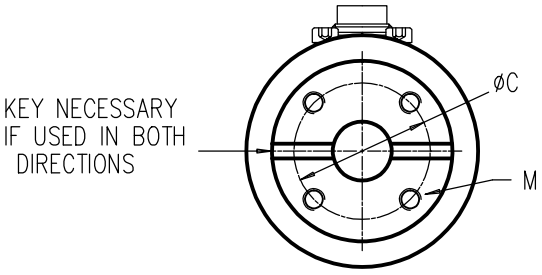
REACTION TORQUE TRANSDUCER

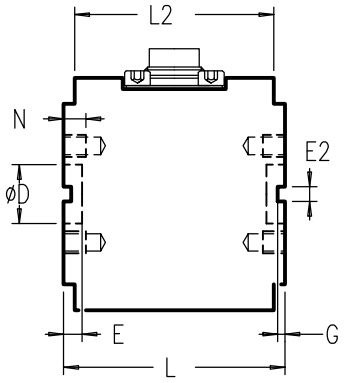
Range 10–2000 Nm – Protection see table IP

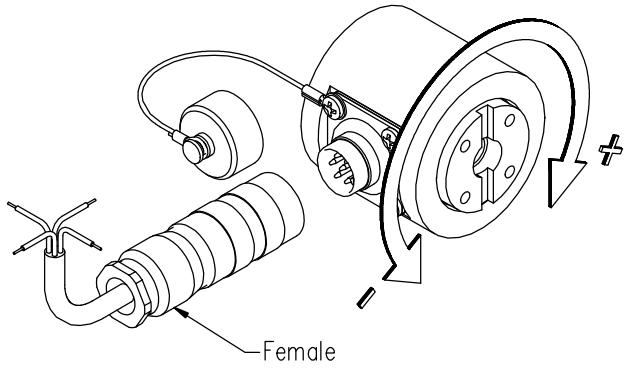
Cable length : 3 m Overload 150 %

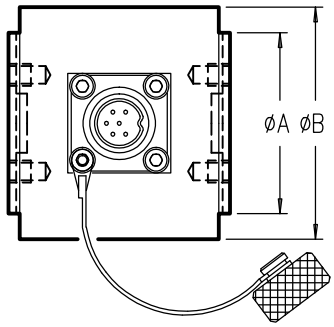
TEDS sensors
PLUG & PLAY
IEEE 1451.4 compliant

ATEX CERTIFIED



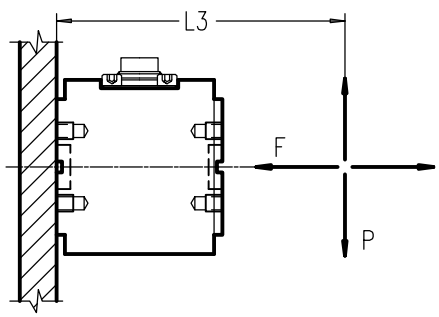




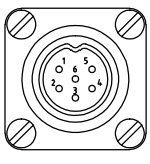


CAPACITIES	øA	øB	øC	øD H7	E	E2	G	L	L2	M	N	IP	F max (N)	L3xP max (N/m)	Torsional stiffness Nm/rad
10–20 Nm	30	45	22	10		4	2	45	40	4 x M 4	4	IP 54	100–160	8 – 10	2300–3500
50–100 Nm	49	63	37	16		4	2	60	54	4 x M 6	6		2000–4000	16 – 32	4000–10200
200–500 Nm	79	95	59	25	5	5	2.5	80	73	4 x M 10	10	IP 67	6000–10000	64 –163	20200–70000
1000 Nm	99	112	78	40		6	3	125	115	4 x M 12	12		18000	323	105000
2000 Nm			69							4 x M 16	16		30000	647	260000

PARASITIC FORCES ALLOWED



CONNECTOR -CONNECTEUR *DIN 45322*



CONTACT N°			
1	*Yellow*	*Jaune*	Excitation -
4	*Brown*	*Brun*	Excitation +
2	*Green*	*Vert*	:Signal+ :Signal -
3	*White*	*Blanc*	:Signal- :Signal +
5	*Grey*	*Gris*	Calibration
6	*Pink*	*Rose*	Calibration

Standard : Cable screen not connected to transducer
Option f : Cable screen connected to transducer

Rev.9/10/2006