

5500

## WIRE ROPE LOAD CELL

Low cost load cell specially designed to measure the tension force on hoisting rope.

- CE certified for hoisting applications
- Easy installation directly and without dismantling on the hoisting rope
- Very large range of measured load on the cable available (from 0.25 up to 24 tons)
- Very large range of cable suitable (available diameters: from: 6 up to 45 mm)
- Material: Nickel plated steel (also available in stainless steel)
- Protection IP 65
- Sturdy design
- Reliable and economical solution
- Complete range of "CE" certified electronics, load limiters and displays available
- Available options (non exhaustive list):
  - o ATEX Ex ia IIC T6 to T4 certified (hazardous area)
  - o High service temperature (180 °C)
  - o Amplified output signal (4..20 mA or 1..5 V)



Model 5500 + accessories

The SENSY's load cell 5500 is perfectly designed to the following applications :

- Hoisting devices and crane's security in combination with a load limitation electronic: (BRIDGEBOY, CRANEBOY, ...)
- Especially designed for equipment of existing cranes

### CAPACITIES :

5500 : 0.25 to 24 t  
on the wire rope

# LOAD CELLS

## model 5500

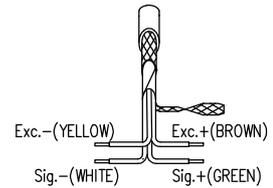
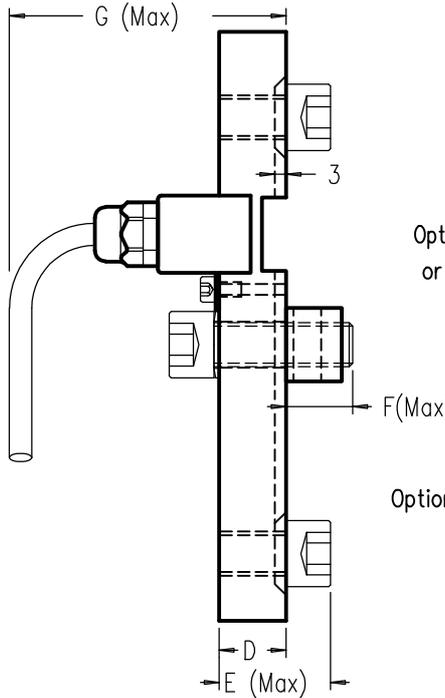
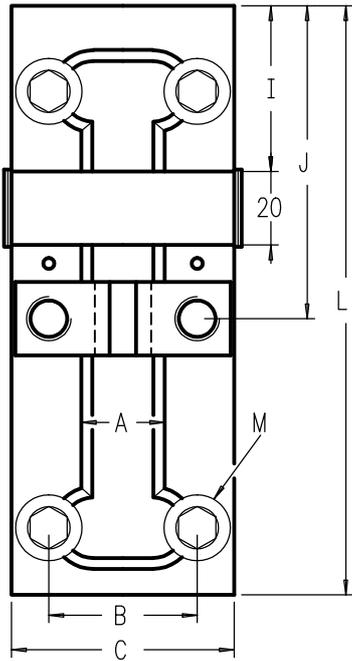
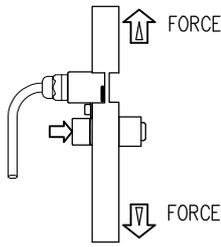
### WIRE ROPE LOAD CELL

Range cable  $\phi$  6–45 mm IP65

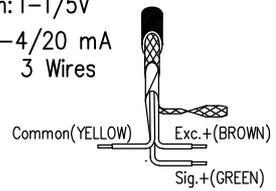
Cable length : See table (CL)



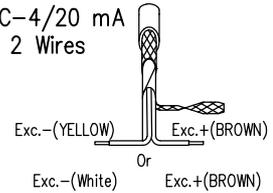
Standard cable



Option: T-1/5V  
or J-4/20 mA  
3 Wires



Option C-4/20 mA  
2 Wires

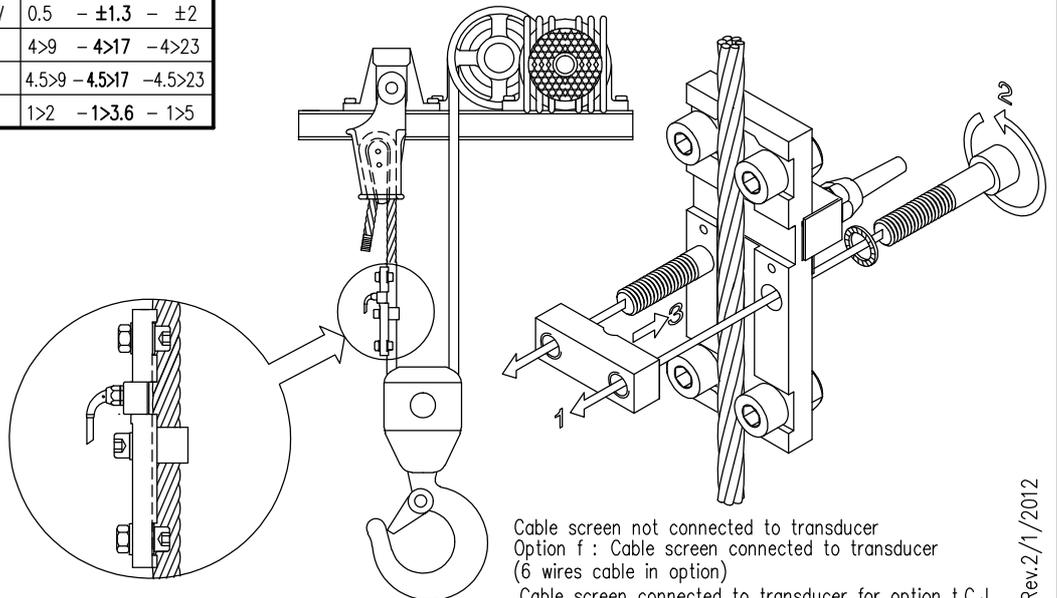


MODEL	CABLE $\phi$ (mm)	LOAD t.(2) min-NOMINAL-max	$\pm A$	B	C	D	E	$\pm F$	G	I	J	L	M	Torque		CL(m)	Weight
														(Optimum)			
5500/1TTSa(3)	/1TTSI	6-12	0.25 - 0.8 - 1.2												10 Nm	3	1.75 kg
5500/1TSA(1)	/1TSAI	6-14	0.4 - 1.1 - 1.5	20	40	60	18	30	31	100	45	85	160	M12	15 Nm		
5500/1SA (1)	/1SAI	10-16	0.75 - 2 - 2.8														
5500/1A (1)	/1AI	12-20	1.6 - 3.5 - 5												20 Nm	3	2.1 kg
5500/2A (1)	/2AI	18-26	2 - 5 - 7	20	50	75	18	30	40	100	45	85	160	M12	25 Nm	6	4.3 kg
5500/3A	/3AI	26-36	5.5 - 10 - 16	25	68	100	25	41	55	115	55	95	200	M16	50 Nm		5.7 kg
5500/4A	/	35-45	10 - 15 - 24	35	75	115	26	46	70	116	55	110	230	M20			

5500 mV/V	0.5 - $\pm 1.3$ - $\pm 2$
5500J mA	4>9 - 4>17 - 4>23
5500C mA	4.5>9 - 4.5>17 - 4.5>23
5500t V	1>2 - 1>3.6 - 1>5

Stainless steel

- (1) Alloy steel=Label VGS
- (2) Table detailing sensitivity and SENSY electronics limits for each cable diameter, available upon request
- (3) Only in version 5500J 4-20 mA 3 wires



Cable screen not connected to transducer  
Option f : Cable screen connected to transducer (6 wires cable in option)  
Cable screen connected to transducer for option t,C,J