

Weighing Module



FEATURES

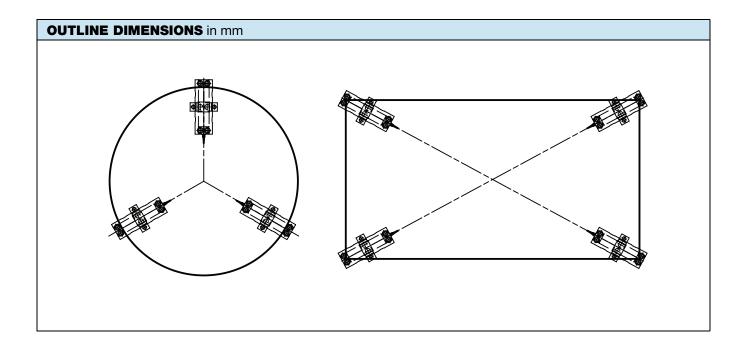
- High accuracy
- · Easy installation
- For harsh environmental conditions
- ATEX approved for hazardous areas
- Movable load point
- Allow movement caused by thermal expension
- No extra mounting
- High capacity 500 1000kN and 1500 2000kN

DESCRIPTION

Load cell module for heavy duty application with moveable load point in KIS principal. This load module is designed for harsh environment with high accuracy.

APPLICATIONS

- Tank weighing
- Vessel weighing
- Silo weighing
- · Ladle weighing



Nobel Weighing Systems

Weighing Module



SPECIFICATIONS			
PARAMETER		VALUE	UNIT
Rated load (R.L.)		500, 1000, 1500, 2000	kN
Combined error (terminal)		±0.1	% of R.O.
Repeatability		0.02	% of R.O.
Overload ⁽¹⁾	safe	100	% of R.L.
	ultimate	200	% of R.L.
Input voltage	recommended	10	V DC or AC
	maximum	18	V DC or AC
Input resistance		350±5	Ω
Output resistance		350±0.5	Ω
Rated output (R.O.)		1.0	mV/V
Tolerance of R.O.		±0.25	% of R.O.
Zero balance		±2	% of R.O.
Tolerance of shunt calibration values		±0.25	% of value ⁽²⁾
Creep at R.L. after 30min		±0.03	% of R.L.
Temperature range		-40 to +80 (+100) ⁽³⁾	°C
Temperature effect (-10 to +50°C)	on output	±0.005	% of output/°C
	on zero balance	±0.005	% of R.O./°C
Insulation resistance at 200V DC		>4	GΩ
Material		Yellow chromate steel	
Electrical connection		10m shielded four conductor cable	
Degree of protection		IP67	

Notes

(1) Referring to recommended loading case

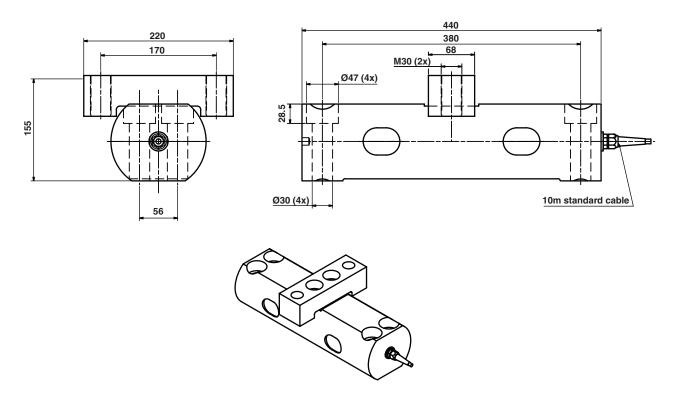
(2) See calibration sheet of the load cell. ATEX certified versions for use in explosive atmospheres are available: II 1GD. EEx ia IIC T4 T_{amb} = 60°C



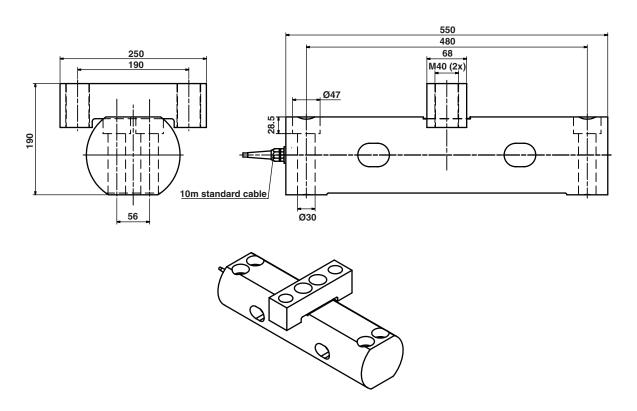
(3) -40 to +100°C on demand



DIMENSIONS 500 - 1000kN



DIMENSIONS 1500 - 2000kN



Legal Disclaimer Notice



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