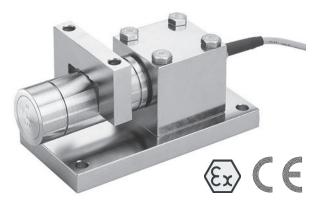


Weigh Module



DESCRIPTION

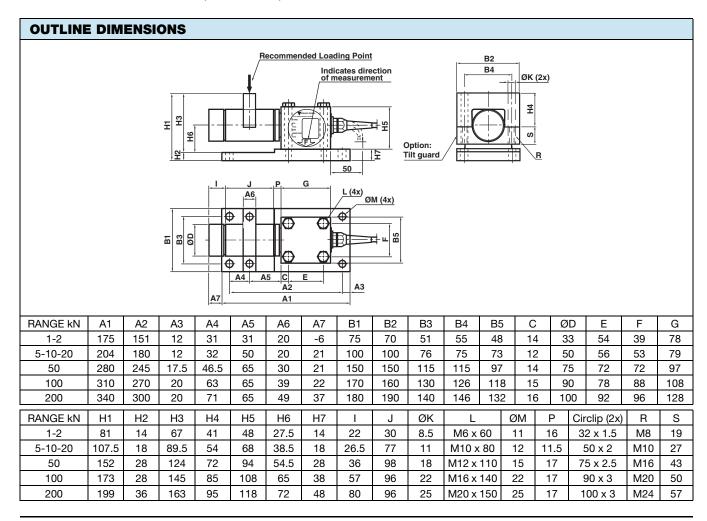
The KIS-8 load cell has several features that distinguish it from other load cells. It is easy to install and extremely accurate, even when subjected to disruptive industrial forces and harsh environmental conditions. All KIS load cells can be ATEX certified for use in explosive atmospheres.

FEATURES

- Capacity range 1, 2, 5, 10, 20, 50, 100, and 200kN (225, 450, 1.12K, 2.25K, 4.5K, 11.2K, 22.4K, and 44.9K lb)
- Simple installation
- Moveable load point
- Withstands very high lateral forces
- Extremely accurate and rugged
- ATEX certified for hazardous locations

APPLICATIONS

- Silo/bin/hopper inventory weighing systems
- Mixing and blending tanks
- Force measurement systems
- Conveyors



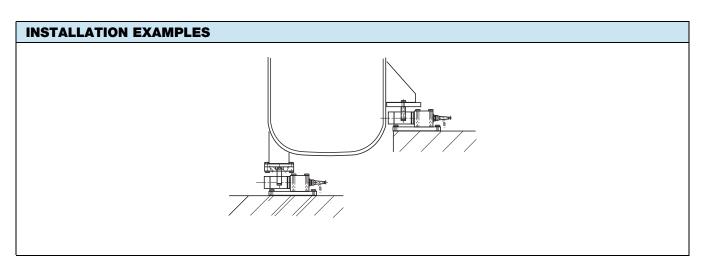
Weigh Module



SPECIFICATIONS			
PARAMETER		VALUE	UNIT
Rated load (R.L.)		1, 2, 5, 10, 20, 50, 100, 200	kN
Combined error (terminal)		± 0.075	% of R.O.
Repeatability		0.02	% of R.O.
Overload	safe	50 (1)	% of R.L.
	ultimate	100 (1)	% of R.L.
Sideload	ultimate	100 (1)	% of R.L.
Input voltage	recommended	10	V DC or AC
	maximum	18	V DC or AC
Input resistance		350 ± 5	ohm
Output resistance		350 ± 0.5	ohm
Rated output (R.O.)		2.040	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 30 minutes		± 0.03	% of R.L.
Temperature range		- 40 to + 80 (+ 100) ⁽³⁾	°C
Temperature effect (- 10°C to + 50°C)	on output	± 0.003	% of output/°C
	on zero balance	± 0.003	% of R.O./°C
Insulation resistance at 200 V DC		> 4	Gohm
Material		Stainless steel	
Electrical connection		5 m shielded four conductor cable	1, 2, 5, 10, 20 kN
		10 m shielded four conductor cable	50, 100, 200 kN
Degree of protection		IP 67	
		ATEX certified versions for use in explosive atmosphere are available	
		II 1GD	

Notes

- (1) Referring to recommended loading case
- (2) See calibration sheet of the load cell
- (3) 40 to + 100°C on demand



Legal Disclaimer Notice



Vishay Precision Group

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