Weigh Module

FEATURES

- Capacity range: 5, 10, 20, 50, and 100 kN (1.12K, 2.25K, 4.5K, 11.2K, and 22.5K lb)
- Easy installation
- Moveable load point
- Withstands very high lateral forces
- Extremely accurate and rugged
- ATEX and IECEx certified for hazardous locations

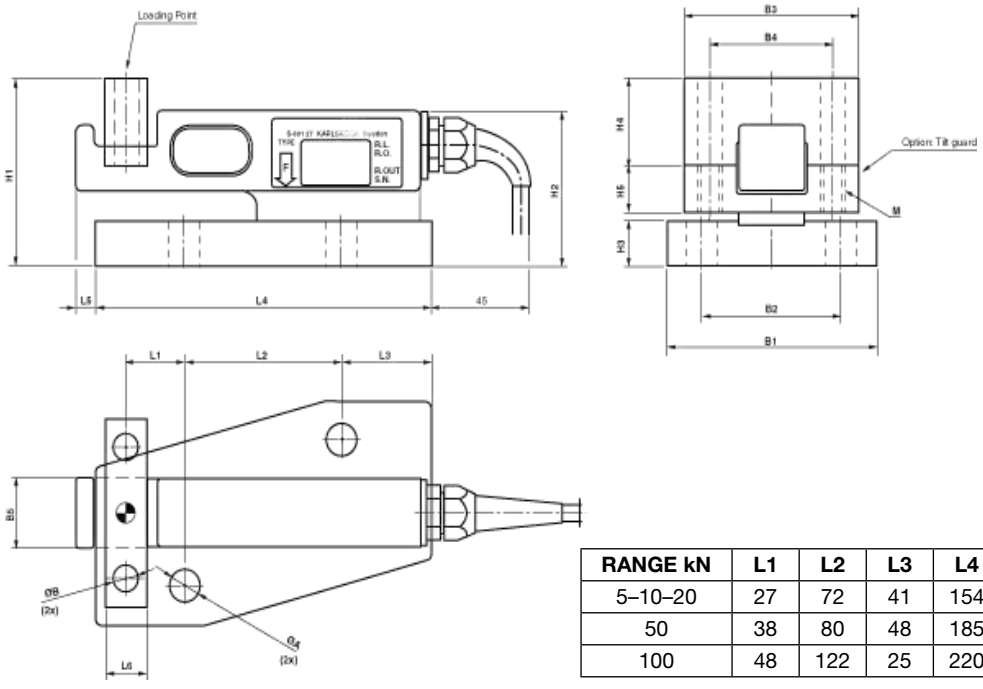
APPLICATIONS

- Silo, bin and hopper weighing
- Inventory control systems
- Industrial conveyors
- Force measurement systems

DESCRIPTION

The KIS-9 load cell has several features that clearly distinguish it from other load cells. It is easy to install and extremely accurate, even when subjected to vibration forces and severe environmental conditions. All KIS load cells can be ATEX and IECEx certified for use in explosive atmospheres.

OUTLINE DIMENSIONS



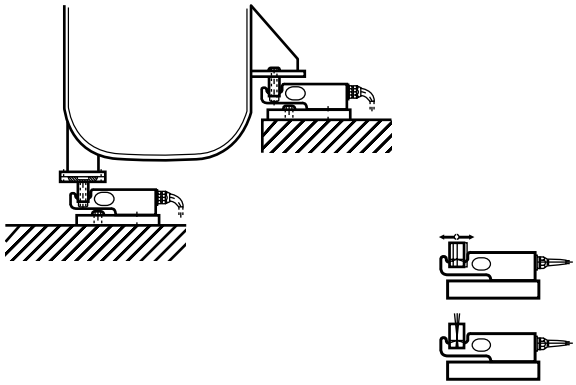
RANGE kN	L1	L2	L3	L4	L5	L6	ØA	ØB
5–10–20	27	72	41	154	9	19	14	11
50	38	80	48	185	14	29	18	18
100	48	122	25	220	17	48	22	22

RANGE kN	B1	B2	B3	B4	B5	H1	H2	H3	H4	H5	M
5–10–20	96	62	80	56	30	80	66.5	19	37	20.5	M10
50	128	88	128	88	48	115	93	33	48	28	M16
100	160	120	160	120	62	130	107.5	38	53	33	M20

BLH NOBEL
A VPG Brand

Weigh Module

INSTALLATION EXAMPLES



SPECIFICATIONS

PARAMETER	VALUE
Rated load (RL)	5, 10, 20, 50, 100 kN
Combined error (terminal)	±0.1% RO
Repeatability	0.02% RO
Safe load	150% RL (1)
Ultimate load	200% RL (1)
Ultimate sideload	100% RL (1)
Input voltage, recommended	10 VDC or VAC
Input voltage, maximum	18 VDC or VAC
Input resistance	350 Ω ±5 Ω
Output resistance	350 Ω ±1 Ω
Rated output (RO)	1.020 mV/V
Tolerance of (RO)	±0.25% RO
Zero balance	±2% RO
Tolerance of shunt calibration values	±0.25 % of value (2)
Creep at R.L. after 30 minutes	±0.03% RL

PARAMETER	VALUE
Temperature range	–40 to +80°C (+100°C) (3)
Temperature effect on output (–10°C to +50°C)	±0.003% of output/°C
Temperature effect on zero balance (–10°C to +50°C)	±0.003% of RO/°C
Insulation resistance at 200 VDC	>4 GΩ
Material	Stainless steel
Electrical connection	5 m shielded four conductor cable 5, 10, and 20 kN
	10 m shielded four conductor cable 50 and 100 kN
Degree of protection	IP67
APPROVALS	
ATEX, IECEx certified versions are available upon request. For details contact blhnobel@vpgsensors.com.	

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

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.

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