Model 363

Revere

VISHAY PRECISION GROUP

Universal Load Cell

FEATURES

- Capacities 50 to 10000kg (50 to 20Klb)
- Nickel plated steel construction
- Certified to NTEP class III 3000d and class IIIL 10000d
- Suitable for compression and tension applications
- Trimmed output versions available
- Sealing: IP65

OPTIONAL FEATURE

- FM approved for use in potentially explosive atmosphere

DESCRIPTION

The 363 is a multipurpose nickel plated S-Type load cell which can be used in tension or compression.

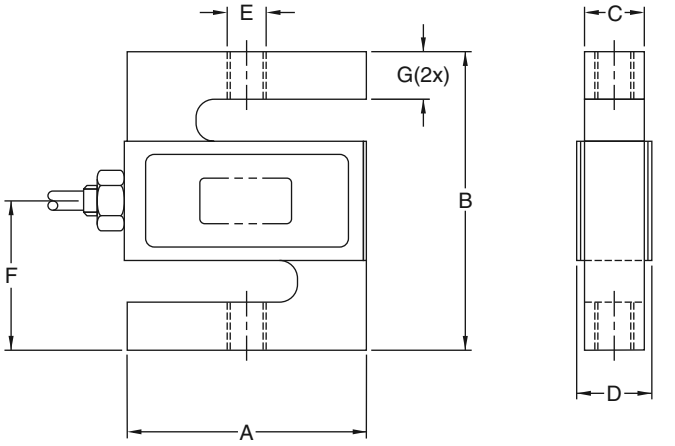
This product is suitable for a wide range of hybrid scales, overhead track scales, belt scales and process weighing applications.

Reliable sealing is ensured by the proprietary TRANSEAL potting compound and additional mechanical protection of the strain gauge area.

APPLICATIONS

- Suspended hoppers
- Overhead track scales
- Force measurement

OUTLINE DIMENSIONS in mm



Cable specifications:

Cable length: 6m

Excitation +	Red
Excitation -	Black
Output +	Green
Output -	White
Shield	Transparent

Cable screen is not connected to load cell body

Cap (kg)	50, 100	250, 500	1000	2500	5000	7500	10000
Cap (lbs)	100, 200, 300	500 - 1.5K	2K, 2.5K	3K*, 5K	10K	15000	20000
A	50.8	50.8	50.8	76.2	74.7	87.4	112.8
B	61.0	61.0	61.0	99.1	99.1	139.7	177.8
C	11.7	18.0	24.4	24.4	30.7	37.1	42.9
D_{max}	16.5	22.9	29.2	29.2	35.6	41.4	47.8
E (kg)	M8x1.25 - 6H	M12x1.75 - 6H		M20x1.5 - 6H		M24x2 - 6H	M30x2 - 6H
E (lbs)	¼ - 28UNF - 2B	½ - 20UNF - 2B		¾ - 16UNF - 2B		1 - 14UNS - 2B	1¼ - 12UNF - 2B
F	30.5	30.5	30.5	49.5	49.3	69.9	88.9
G	8.9	8.9	8.9	14.0	15.7	22.4	31.8

* 3Klb version has 1/2 - 20UNF - 2B tapped holes

Technical contact in Americas: lc.usa@vishaypg.com, Europe: lc.eur@vishaypg.com,
China: lc.china@vishaypg.com, Taiwan: lc.roc@vishaypg.com
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SPECIFICATIONS

PARAMETER	VALUE		UNIT
Standard capacities (E_{max})	50, 100, 250, 500, 1000, 2500, 5000, 7500, 10000		kg
Standard capacities (E_{max})	50, 75, 100, 150, 200, 250, 300, 500, 750, 1K, 1.5K, 2K, 2.5K, 3K, 5K, 10K, 15K, 20K		lbs
Accuracy class per NTEP	**NTEP IIIL**	**Non-Approved**	
Maximum no. of verification intervals (n)	10000		mV/V
Rated output (=S)	3.0		mV/V
Rated output tolerance	0.0075		±mV/V
Zero balance	1.0		±% FSO
Combined error	0.0200	0.05	±% FSO
Non-repeatability	0.0100	0.0200	±% FSO
Minimum dead load output return	0.0500		±% applied load
Creep error (30 minutes)	-	0.0600	±% applied load
Creep error (20 minutes)	0.0030	0.0200	±% applied load
Temperature effect on min. dead load output	0.0090	0.0250	±% FSO/5°C
Temperature effect on sensitivity	0.0072	0.0250	±% applied load/5°C
Minimum dead load	0		$\%E_{max}$
Maximum safe over load	150		$\%E_{max}$
Ultimate over load	300		$\%E_{max}$
Maximum safe side load	100		$\%E_{max}$
Excitation voltage	5 to 12		V
Maximum excitation voltage	15		V
Input resistance	430±60		Ω
Output resistance	350±3.5		Ω
Insulation resistance	≥5000		MΩ
Compensated temperature range	-10 to +40		°C
Operating temperature range	-40 to +80		°C
Storage temperature range	-40 to +90		°C
Element material (DIN)	Nickel plated alloy steel		
Sealing (DIN 40.050 / EN60.529)	IP65		

FSO-Full Scale Output

Disclaimer

All product specifications and data are subject to change without notice.

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