Type ID5 Load Cell

SCALE-TEC
MEASUREMENT WITH CONFIDENCE



Short description

- Nickel plated alloy steel IP67 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Sealed construction
-

Available models

Capacity	Accuracy	Full article description
25Klb	C3	ID5-C3-25K-9B
40Klb	C3	ID5-C3-40K-9B
50Klb	C3	ID5-C3-50K-9B
60Klb	C3	ID5-C3-60K-9B
75Klb	C3	ID5-C3-75K-9B
100Klb	C3	ID5-C3-100K-9B
125Klb	C3	ID5-C3-125K-9B
150Klb	C3	ID5-C3-150K-9B
200Klb	C3	ID5-C3-200K-9B

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

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Technical specifications ID5

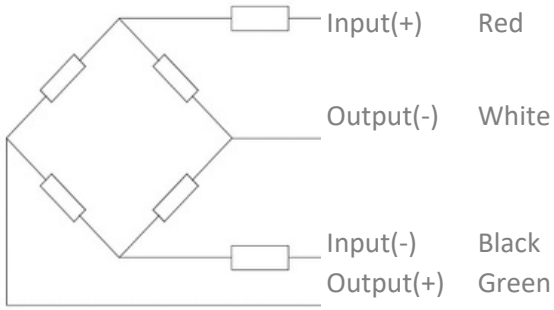
Accuracy class		C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Maximum capacity (E_{max})	Klb	25, 40, 50, 60, 75, 100, 125, 150, 200
Max. number of load cell intervals	nLC	10000
Ratio of min. LC verification interval	$Y = E_{max}/v$ min	7500
Combined Error	%FS	≤± 0.03
Minimum dead load	OfE_{max}	0%
Safe overload	of E_{max}	150 %
Ultimate overload	of E_{max}	300 %
Zero balance	ofFS	< ± 1.0 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	700 ± 7
Output resistance	Ω	703 ± 4
Insulation resistance	MΩ	≥5000 (at 50VDC)
Compensated temperature	°C	-10 ~+40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP67

Wiring

Features:

Shielded, 4 conductor cable
Cable diameter for 5k – 20k:Ø5mm and for 30k – 250k: Ø8mm
Standard cable length: 9m
Shield not connected to element

4-wire diagram



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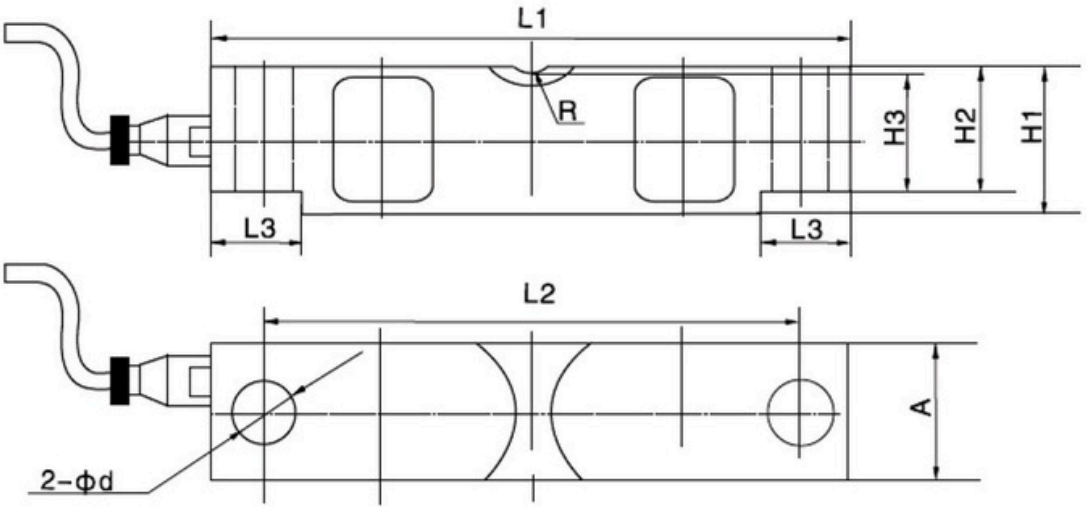
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Dimensions in mm



Dimension Capacity	L1	L2	L3	H1	H2	H3	A	Ød	R
25Klb	197	165	35	49.3	43.2	41.4	43	17.3	19.1
40Klb	260.4	216	49.3	62	53.3	50.8	49.3	20.6	25.4
50Klb-75Klb	260.4	216	49	74.7	67.3	64.5	62	26.9	25.4
100Klb-125Klb	387.4	324	79.5	98	87.1	83.8	73.7	41.2	38.1
150Klb, 200Klb	489	387.4	127.8	147.3	130.1	112.8	96.5	41.2	50.8

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