


Type RC3 Load Cell



Short Description

- Nickel plated alloy steel IP68 Rocker column Load cell
- High accuracy
- Suitable for truck, track, hopper and other electronic weighing devices
- Current calibrated (sc-option)

 Test certificate no. D09-06.088
C of C no R60/2000-CN1-06.061

Available Models

P/N	Capacity	Accuracy	Full Article Description
7231303090	7.5t	C3	RC3-7.5t-C3-7.5t-12B-2-FH
7231303090	15t	C3	RC3-15t-C3-15t-12B-2-FH
7231303090	22.5t	C3	RC3-22.5t-C3-22.5t-12B-2-FH
7231303090	30t	C3	RC3-30t-C3-30t-12B-2-FH
7231303090	40t	C3	RC3-40t-C3-10t-12B-2-FH
7231303090	50t	C3	RC3-50t-C3-50t-12B-2-FH
7231303090	100t	C3	RC3-100t-C3-100t-12B-2-FH
7231303090	150t	C3	RC3-150t-C3-150t-12B-2-FH
7231303090	300t	C3	RC3-300t-C3-300t-12B-2-FH

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Technical Specifications RC3

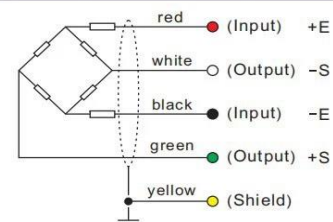
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.002
Maximum Capacity (Emax)	kg	7.5t,15t,22.5t,30t,40t,50t,100t,150t,300t
Max. Number of Load Cell Intervals	n/c	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	7500
Combined Error	%FS	≤± 0.02
Creep Error (30 minutes)	%FS	≤± 0.02
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.02
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.02
Zero Balance	%FS	≤± 1.5
Safe Overload	%FS	150
Ultimate Overload	%FS	300
Excitation, Recommended Voltage	V	5 ~ 12
Excitation, Maximum Voltage	V	18
Input Resistance	Ω	1.150 ± 50
Output Resistance	Ω	1000 ± 2
Insulation Resistance (50V)	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Storage Temperature	°C	-40 ~ + 70
Load Cell Weight	kg	1.3 (7.5t), 1.4 (15t), 1.5 (22.5t), 3.4 (30t), 3.6 (40t), 4.5 (50t), 12.9 (100t), 17.1(150t), 32.8 (300t)
Element Material		Nickel plated alloy steel/ stainless steel 17-4 PH (1.4548)
Ingress Protection (acc. to EN 60529)		IP68
Recommended Torque on Fixation Bolts	Nm	1100
ATEX Classification (optional)		II 1G Ex ia IIC T4 Ga II 1D Ex ia IIIC T 200 135°C Da II 3G Ex ic IIC T4 Gc

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 24
Cable diameter: Ø 5.5mm
Cable length: 16m (standard), 12m & 20m lengths also available
Cable jacket: PVC
Shield not connected to element

Mode of Connection



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Dimensions in mm

