

Type DSB Load Cell



Features

- Range: 10t...30t
- Low profile, easy to install
- Can only measure pressure
- High overall accuracy, good long-term stability
- Alloy steel material, nickel-plated surface
- Protection level IP67



Test certificate no. TC7868 Revision 1

C of C no R60/2000-NL1-12.52



Certificate no. 06-099A1

Application

- Truck scale/railway scale/ground scale
- Hopper/silo/tank scale

Available Models

P/N	Capacity	Accuracy	Full Article Description
722092071-0001	10t	C3 Excluded from OIML	DSB-10000-C3-3B
722092081-0002	20t	C3 Excluded from OIML	DSB-20000-C3-3B
722092091-0003	30t	C3 Excluded from OIML	DSB-30000-C3-3B

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Technical Specifications DSB

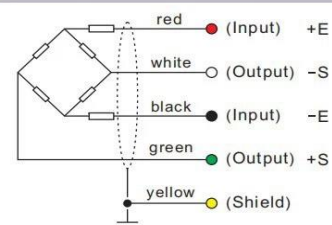
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum Capacity (Emax)	t	10,20,30
Max. Number of Load Cell Intervals	nLc	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	10000
Combined Error	%FS	≤ ± 0.020
Minimum dead load	Of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	of FS	< ± 2.0 %
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	760 ± 20
Output resistance	Ω	700 ± 3.5
Insulation resistance	MΩ	≥5000 (at 50VDC)
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Alloy steel
Ingress Protection (acc. to EN 60529)		IP67
Recommended torque on fixation bolts	Nm	M6,M8:25 M10: 50 M12:75 M20:450 M33:750 M42:1450
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL IIC T4

Wiring

Features:

Shielded, 4 conductor cable.
 Cable diameter: Ø5.3mm.
 Standard cable length for 10t-30t::13m
 Shield connected to element.
 Cable jacket in PVC.

Mode of Connection



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Dimensions in mm

