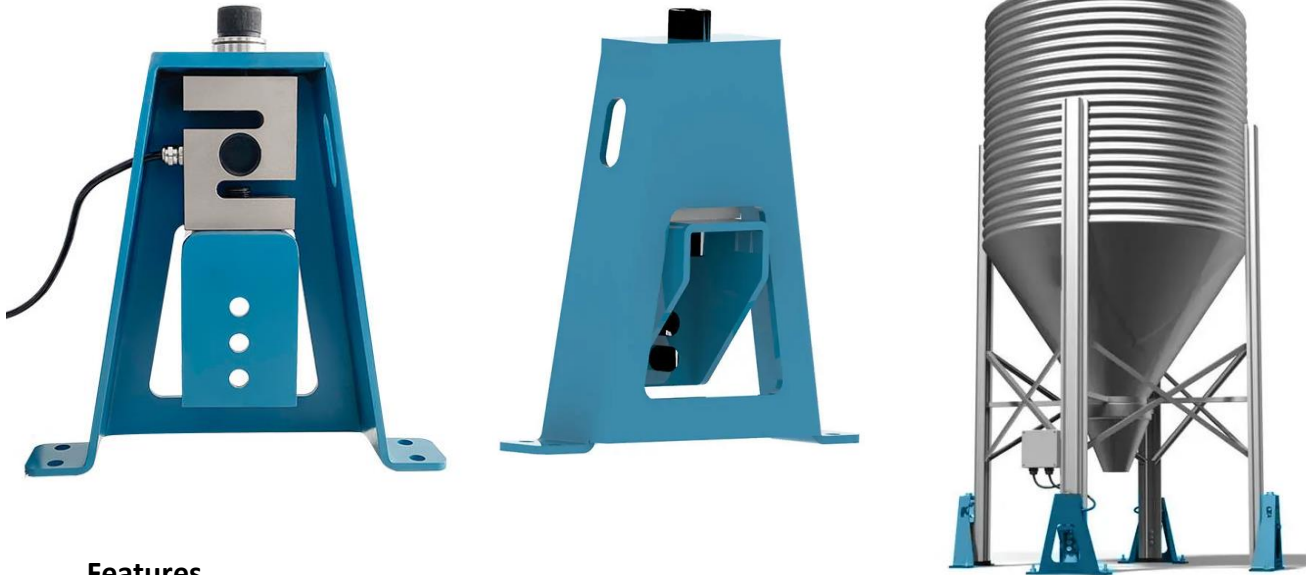


Type STL Load Cell

Weighing modules For Animal Husbandry Silo Without Lifting The Silo



Features

- Weighing range: 2t,3t,5t
- Proprietary design helps protect the system from lightning surges
- Easy to install on a new bin or loaded bin
- Each leg is equipped with an "S" type weighing sensor
- Lift the bin when turning the lifting bolt
- When the bin is lifted, the weight is transferred to the weighing sensor
- No field calibration required
- Temperature compensation

Applications

- Hopper, silo
- Platform, vertical tank
- Ingredient weighing of tank
- Weighing control during production process

Weighing Module For Animal Husbandry Silo Without Lifting The Silo

Description

STL static load weighing module uses high-quality sensor elements. Its characteristics are compact structure, no need to install other accessories, and the self-stabilizing sensor pressure head makes the measurement accurate and repeatable. Made of alloy steel, stainless steel is optional, suitable for weighing control of tank batching process in harsh environments. Quick installation, saving installation and downtime maintenance time. Static load weighing module can be easily installed on containers of various shapes, and can be easily loaded, batched or stirred in the container.

Weighing Module For Animal Husbandry Silo Without Lifting The Silo

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208999-00	2t	C3	STL-2T-C3-2t-12B-2-FH
72208999-01	3t	C3	STL-3T-C3-3t-12B-2-FH
72208999-02	5t	C3	STL-5T-C3-5t-12B-2-FH

Type STL Load Cell

Technical Specifications STL

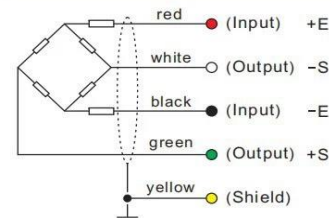
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.002
Maximum Capacity (Emax)	kg	2t,3t,5t
Max. Number of Load Cell Intervals	n/c	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	7500
Combined Error	%FS	≤± 0.02
Creep Error (30 minutes)	%FS	≤± 0.02
Temperature Effect on Zero (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	380 ± 20
Output Resistance	Ω	350 ± 4
Insulation Resistance (50V)	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Storage Temperature	°C	-40 ~ + 70
Load Cell Weight	kg	
Element Material		Alloy steel/ Stainless steel
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: 10m (standard), 16m & 20m lengths also available
Cable jacket: PVC
Shield not connected to element

Mode of Connection





Weighing Module For Animal Husbandry Silo Without Lifting The Silo

Dimensions in mm

