

Load Cell Weigh Module

FEATURES

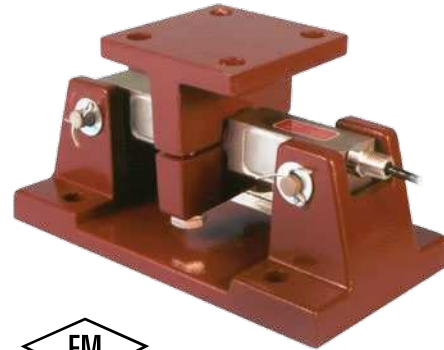
- Capacity range: 10K, 15K, 25K, 35K, 50K, and 75K lb (4.5K, 6.8K, 11.3K, 15.8K, 22.7K, and 34K kg)
- Self-checking design allows for thermal expansion
- Conduit adapter available (stainless steel modules) ideally suited for applications with high deadload-to-liveload ratios
- Electroless nickel-plated load beam standard, welded stainless-steel load beam available
- Sealed to IP67 standards
- FM approved

APPLICATIONS

- Storage tank, bin, and hopper weighing
- Silo and inventory measurement systems
- Loss-in-weight feeders

DESCRIPTION

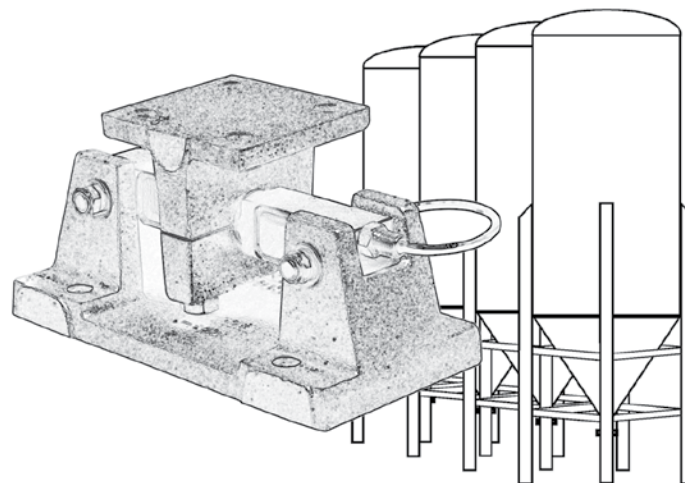
PRO-Mount Weigh Modules are specifically engineered to meet the requirements of inventory and ingredient management weighing applications. Checkless design (no stay or check rods), low profile, and uniform bolt spacing simplify installation on new and existing vessels. An integral expansion assembly and temperature compensated full bridge transducer design, minimize temperature effects allowing accurate measurement indoors or out, in virtually any environment.



Optional stainless steel, welded units are available for caustic or washdown environments. Stainless steel units also have an integral conduit adapter.

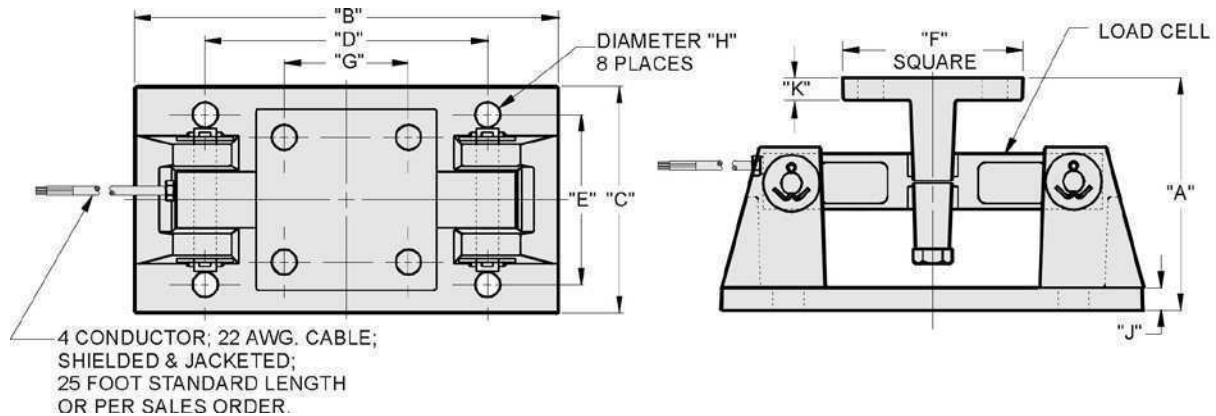
PRO-Mount design considerations ensure an efficient balance between performance as a transducer and strength as a structural member when earthquake risk or wind resistance is a system factor. Sideloads of up to 100% full scale capacity, caused by vibration or other extraneous forces, virtually have no effect on weight measurement.

CONFIGURATION



Load Cell Weigh Module

OUTLINE DIMENSIONS



SPECIFICATIONS

PARAMETER	VALUE	PARAMETER	VALUE
PERFORMANCE		ADVERSE LOAD RATINGS	
Capacities	10K, 15K, 25K, 35K, 50K, and 75K lb (4.5K, 6.8K, 11.3K, 15.8K, 22.7K, and 34K kg)	Safe load	150% rated capacity
Rated output (RO)	3.0 mV/V $\pm$ 0.25%	Safe sideload	100% rated capacity
Repeatability	0.01% RO	Ultimate load	300% rated capacity
Combined error	0.03% RO	MATERIAL	
Zero balance	1.0% RO	Beam (standard)	Tool steel, electroless nickel plated
Creep (20 minutes)	0.03% RO	Beam (option)	17-4 PH stainless steel
Temperature effects on zero balance	0.0015% RO/°F	Mounting hardware (standard)	cast steel, zinc plated
Temperature effects on span	0.0008% Load/°F	Mounting hardware (option)	stainless steel
ELECTRICAL		SEALING	
Recommended excitation	10 VDC (15 VDC max.)	Environmental class	IP67 plated
Input resistance	686–714 Ω	DEFLECTION	
Output resistance	699–707 Ω	10K–25K lb	0.022 in
Cable length	25-ft cable with 4-wire polyurethane jacket	35K lb	0.038 in
TEMPERATURE		50K lb	0.052 in
Safe range	–0 to 150°F	75K lb	0.070 in
Compensated range	+14 to 104°F		

BLH Nobel is continually seeking to improve product quality and performance. Specifications may change accordingly.

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