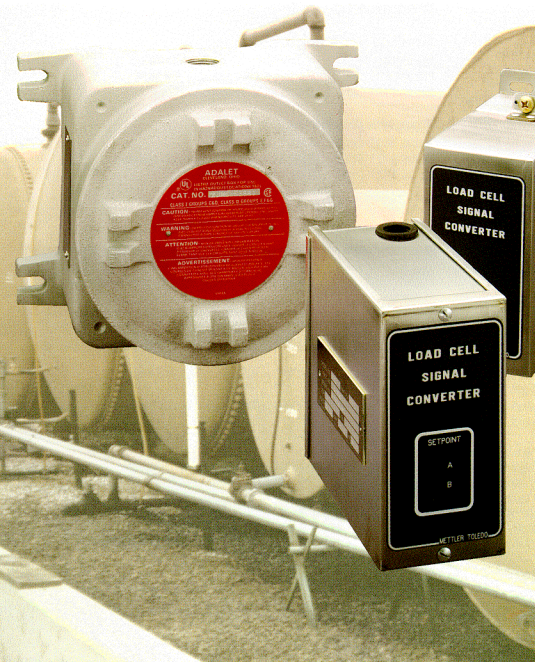


9321 Load Cell Signal Converter



Process
Monitoring
by Weight –
Converts Weight
to Current or
Voltage Output

METTLER **TOLEDO**

9321 Load Cell Signal Converter for Simple Weight Monitoring

The Mettler Toledo® 9321 load cell signal converter module is ideal for use with large storage tanks or holding bins when they are used to store material for further processing. An example is in process control/tank farms in the chemical industry.

The unit is intended to be the electrical interface between a load cell (or group of up to 8 cells) and the customer's process control equipment. It converts the load cell DC millivolt signal to a 0 to 10 VDC or 4/20 mA signal which is then fed into a remote analog input...such as a programmable controller or chart recorder. It operates with new or existing process control equipment.

The external power source may be either 120 VAC or 240 VAC which is internally converted to an appropriate load cell excitation voltage and 0-10 VDC and 4/20 mA power sources. This eliminates the need for any additional power source.

Optionally, a maximum of two set-point control circuit boards may be added to provide dry relay contact "cutoffs" for process control. Typical applications for the cutoffs include overload and low level signaling, and low accuracy batch control.

Mettler Toledo offers a full line...load cells, summing modules (J-box), and controls. With the 9321 it is possible to achieve 1 part in 10,000 accuracy providing better product control. Its single board design plugs into a single terminal strip for easy wiring and installation.

Three models are offered in your choice of enclosure styles to fit your environmental requirements... NEMA 1 in a stainless steel enclosure, NEMA 4X in a stainless steel waterproof enclosure, and NEMA 7/9 in a cast aluminum explosion-proof enclosure.

SPECIFICATIONS

Temperature Limits (Ambient)

Operating: -10° to +45°C (+14° to +113°F)

Storage: -40° to +70°C (-40° to +158°F)

Relative Humidity: 10% to 95% (non-condensing)

Atmospheric Classification

Model 9321-0001: NEMA 1 dust resistant

Model 9321-0002: NEMA 4X waterproof/corrosion resistant

Model 9321-0003: NEMA 7/9 explosion proof –
Class I & II, Division 1 & 2,
Applicable Groups C, D, E, F, & G
N.E.C. Temperature Rating, T-6

Enclosure	Dimensions	Weight
NEMA 1	6" H x 3.12" W x 6" L (152 mm x 79 mm x 152 mm)	3.5 lb (5 lb shipping) 1.6 kg (2.3 kg shipping)
NEMA 4X	6" H x 3.12" W x 6" L (152 mm x 79 mm x 152 mm)	5 lb (8 lb shipping) 2.3 kg (3.6 kg shipping)
NEMA 7/9	7" H x 7.75" W x 10.5" L (178 mm x 197 mm x 267 mm)	14 lb (20 lb shipping) 6.4 kg (9.1 kg shipping)

Power Required: 120 VAC \pm 10% 50/60 Hz 0.2 Amp
OR
240 VAC \pm 10% 50/60 Hz 0.1 Amp

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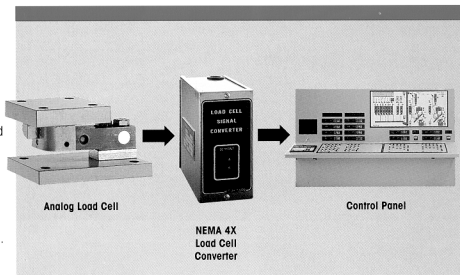
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Products are not shown to scale.