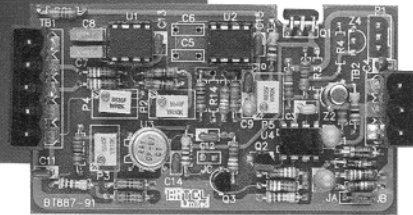


Actual size



Patent Pending

OST Loadcell Transmitter

A Break Through In Automation Technology

The OST conditions and transmits a stable, low drift signal from strain gauge loadcells to computing devices (PLC and computer)

Typical signals up to 35 millivolts are converted to a choice of voltages or currents.

Voltage	Options:	1-5 VDC	2-10 VDC
Current	Options:	0-20 MA	4-20 MA

Both gain and zeroing adjustments are available. The design of the OST-1 is elegant and compact-yet rugged. The efficient design permits easy and fast installation

Maximum error:	Model OST - .01%
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The OST-1 regulates and filters the conditioned voltage for strain gauge loadcells. It requires between 15 VDC and 30 VDC to perform this function.

Amplification and conversion to current of 0-20 MA or 4-20 MA is achieved by onboard

precision operational amplifiers. Adjustments for threshold and tare are provided by coarse and fine calibration potentiometers. Gain adjust is also calibrated by separate controls.

Loadcell and computer / PLC connections are easily made using the provided mating terminal connectors.

Voltage outputs of 0-5 VDC, 0-10 VDC or 2- 10 VDC are jumper selectable.

OST BENEFITS

- Conditioned excitation voltage from DC supply 15 VDC - 30 VDC.
- Selectable MA or DC output. (Typical 4-20 MA or 2-10 VDC).
- Adjustable zero, tare & gain.
- Environmentally protective stainless steel & anodized aluminium housing.
- Eliminates traditional instrumentation in many automated applications.
- Accepts low full scale loadcell outputs (3 W F/S to 35 MV F/S).

G57

OST Loadcell Transmitter



Technical Specifications

Output Current	0-20, 4-20, MA
Output Voltage	0-5, 0-10, 1-5, 2-10 VDC
Input Voltage (Supply Voltage)	15 VDC to 30 VDC
Maximum Error	+/- .01% @ 250 C
Temperature Operating Range	00 c - 500 c
Capacity	4 x 350 Ω loadcells (ie. 75 Ω minimum impedance)
Tare Adjust /Zero Adjust	Multi-turn coarse & fine potentiometer
Span Adjust	Multi-turn coarse & fine potentiometer
Span Range	.3 AW/V to 3.5 MV/V (full scale)
Size	2" wide x 3.5" long x.8" high
Mounting	Snap clip provided
Construction	Cover - stainless steel Enclosure - anodized aluminum

The OST Transmitter is provided as 3 models for different amplification requirements.

OST-4 Full scales from 0.4 mV/V or as high as 3.5 mV/V

OST-6 Full scales from 0.2 mV/V or as high as 1.7 mV/V

OST-7 Full scales from 0.1 mV/V or as high as 0.8 mV/V

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Weigh Point
260 Holiday Inn Drive Unit 10
Cambridge, ON
1-800-268-7400

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