

Direct Interface to PLCs and Other Control Equipment



Connect

Easy integration into process-based network architectures provides valuable plant-floor information that can be used to optimize production and help reduce down-time.



Comply

with global regulations and standards. Harsh and 7/9 enclosure optionally available. Certified safe for use in most Division 2 or Zone 2/22 hazardous classified environments.



IND110

Weight Transmitter

- Compact footprint uses minimal amount of valuable enclosure space
- DIN rail mounting for easy, fast installation
- Setpoint outputs included
- Remote sense inputs provide load cell cable resistance compensation and allow for use with intrinsically safe barrier
- Digital filtering increases accuracy across entire weight range and in applications with vibration
- Simple and fast calibration, with zero calibration independent of span calibration value
- Global approvals provide product acceptance in local markets
- Harsh and 7/9 enclosure optionally available

IND110 Weight Transmitter Specifications

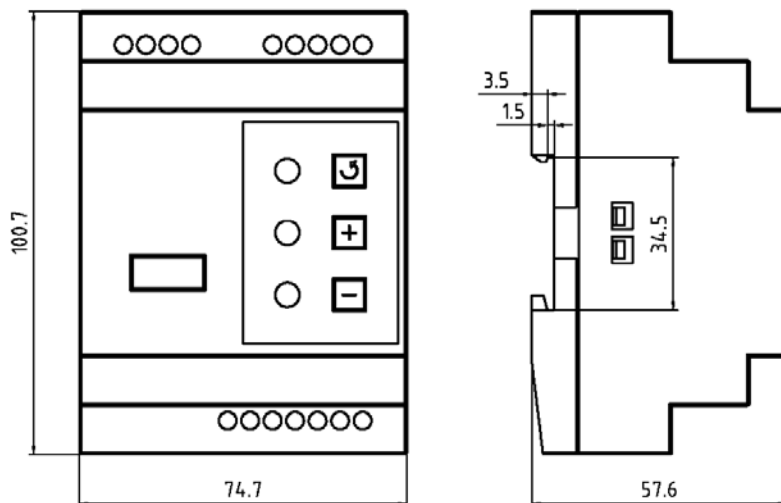


Parameter	Specification
Model No.	IND110
Display	none
LED Indicators	Power ON with external power supplied
	HI ON when load cell signal > high setpoint
	LO ON when load cell signal < low setpoint
Temperature Range	Operating -10 ~ +45 °C (14 ~ +113°F)
ATEX Approval ⁽¹⁾	Number (7/9 enclos. only) DEMCO ATEX 0303070U (certificate for flameproof enclosure)
	Rating EExd IIB H2 IP66.
Haz Approval ⁽¹⁾	Number (7/9 enclos. only) UL number QUZW.E152336
	Rating Class I, Div 1, Groups C-D Class II, Div 1, Groups E-G Class III Div 1
	Remarks HazLoc approval only in conjunction with ISB15 or ISB15x barrier.
Approvals	UL, cUL, CE marked (UL file E139501 for module, E152336 for 7/9 enclosure)
Load Cell Input	Excitation Voltage 10 VDC, 120 mA max. (4x 350 Ohm cells)
	Load Cell Range 1.5 to 3 mV/V with full bridge
	Span Adjustment Range 25% to 110% of cell capacity @ 2 mV/V
	Zero Adjustment Range 0 to 100% of load cell output @ 2 mV/V
Outputs	Discrete 1 low & 1 high level output, open collector type, 5 to 25 VDC, 60 mA max sink current
	Analogue Signal: 4 to 20 mA (1 mA to 24 mA limits)
Load resistance	0 to 500 Ohm max
Linearity	+/- 0.012% max
Temperature Stability	<20 ppm/°C (span), 50 ppm/°C (zero)
Update Rate	20/second
Calibration	DIP switch mode selection enables front panel calibration of load cell zero/span and setpoint low/high limits
Protection	IP65 (optional Type 4x enclosure)
Power Supply	20 to 28 VDC, 300 mA max., 8 watts Class 2 power supply
Weight	0.18 kg (0.39 lb)
Mounting	35mm DIN rail (module only) or wall mount (optional enclosure)

¹⁾ See certificate for complete information

IND110 Weight Transmitter Ordering Information

Description	Item No.
IND110 Load Cell Signal Converter DIN Rail	71208076
Type 4X Enclosure for IND110	64053670
IND110 Load Cell Signal Converter incl. 7/9 enclosure	64053672



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Subject to technical changes
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