Non-contact level measurement sensor

InoxLaser NL-02

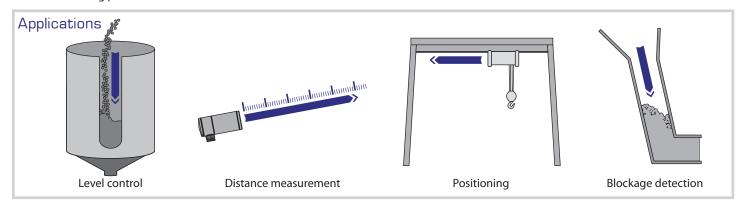
Product overview

The NEWCO Instruments InoxLaser is a non-contact laser sensor used to measure the distance to a solid surface. This surface could be anything from a flat metal plate on the side of an overhead crane, to the top of material stored in a silo. With an easy to use menu system, the InoxLaser can be configured for either distance or level measurement and the high accuracy, long range and fast update rate make this the ideal sensor for many different applications.

Features

- o Non-contact measurement with laser technology
- 303 Stainless steel housing
- o Measurement range up to 100 meters (328 feet)
- o Continuous measurement with a resolution of 10 mm
- o NAMUR compliant 4...20 mA output
- o 2 Normally open relay outputs
- o Easy configuration via USB
- o 220 / 110 V ac or 24 V dc power supply
- o Visible aiming pointer



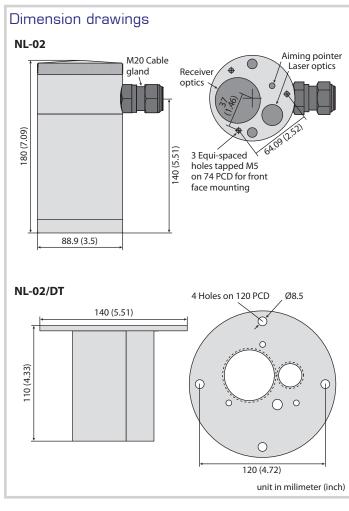


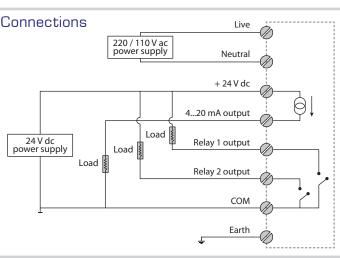
Technical specifications

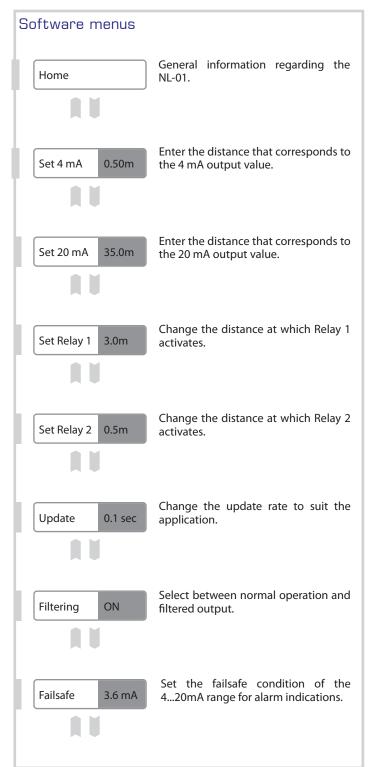
Performance data		_
Sensing range	0.3100 m (0.98′328′)	
Resolution	1 cm (0.39")	
Accuracy	< 0.1% of full range at 20°C	
Update rate	5 readings per second	
Technical data		
Power supply	220 / 110 V ac or 24 V dc nominal (1228 V dc)	
Current consumption	100 mA nominal	
Output		
Analog	420 mA NAMUR compliant self-powered & non-isolated. 2 x Relays (N/O), 250 V at 3 A.	
Communication	USB at 115200 baud 8-N-1	4
Mechanical data		. 20
Diameter	NL-02: 88.9 cm (3.5") NL-02/DT: 140 cm (5.51")	ents
Length	NL-02: 180 cm (7.09") NL-02/DT: 110 cm (4.33")	:: trum
Weight	NL-02: 2 kg (4.41 lb) NL-02/DT: 1.5 kg (3.31 lb)	: Sul (
Connection	Flange accessory (NL-02/DT) with with 4 Ø 0.85 cm holes on 120 PCD	O
Housing material	303 Stainless steel	N
Optical data		_
Optical aperture	75 cm (2.95″)	0.0
Beam divergence	< 1° to half power points	sion
Aiming pointer	< 5 mW red	Revi
Lens material	Impact resistant acrylic	_
Laser safety classification	Class 2 CAUTION: Do not view laser directly with optical instruments	-02
Environmental data		<u>S</u>
Operating temperature	-20°C+60°C	/SQ
Pressure	Atmospheric	
Enclosure rating	IP66	



Simple solid level measurement







Warranty and liability statement

This product is subject to the normal terms, conditions, warranties and disclaimers of NEWCO Instruments, its distributors and representatives.

Product order codes

Non-contact level measurement sensor Dust tube accessory

NL-02 NL-02/DT **AGENT DETAILS**



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