

Turbidity Sensor, 4-20mA, RS485, G 3/4, 5m cable



SRWQ100-ZD102-9101 Turbidity Sensor

Features

- 316 Stainless Steel Shell
- G 3/4 Process connection
- 4-20mA & RS485 outputs
- 5m direct lead cable

Applications

- Metallurgy
- Power
- Pharmaceutical Industry
- Chemical manufacturing
- Petroleum Industry
- Water treatment

Description

The L-com SRWQ100-ZD102 series is a water quality sensor used to measure the turbidity of water. Turbidity is a measure of relative water clarity, or cloudiness caused by the presence of particulate matter. This, as opposed to cloudiness caused by air bubbles. It does so by measuring the amount of reflected light coming from particles in the water. The intensity of the reflective light is directly proportional to the turbidity of the water. The SRWQ100-ZD102 turbidity sensor can be used in a variety of applications including water treatment, beverage manufacturing and general environmental and process monitoring. The L-com SRWQ100-ZD102 series is part of the IoT portfolio of products available from L-com, in-stock and ready to ship. Contact our knowledgeable technical support and sales staff for more information on this, and other IoT products from L-com.

General Specifications

Application:	Turbidity Sensor
Electrical Connection:	flying leads
Process Connection:	G 3/4
Output Signal:	4-20mA
Cable Length:	500 cm
Sensing Element:	LED
Interface Protocol (Communication):	RS485 (MODBUS-RTU)



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Description	Minimum	Typical	Maximum	Unit
Accuracy (Temperature)		0.2		deg C
Resolution (Temperature)		0.1		deg C
Accuracy Turbidity		1		% Full Scale
Resolution Turbidity		0.01		%
Temperature	0		80	deg C
Compensated Temperature	0		80	deg C
Turbidity Measurement Range	0		4,000	NTU

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Turbidity Sensor, 4-20mA, RS485, G 3/4, 5m cable SRWQ100-ZD102-9101](#)

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Pasternack Part No. Marketing Header

Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
Power Supply Voltage		24		VDC

Notes: Turbidity:4-20mA & RS485 Temp:RS485

Material Specifications

Description	Material
Cable Material	PVC
Housing Material	316 Stainless Steel

Environmental Specifications

Temperature (Operating)	0deg C to 80deg C
Temperature (Storage)	-20deg C to 85deg C
Humidity	<90%
Ingress Protection	IP68

Certifications

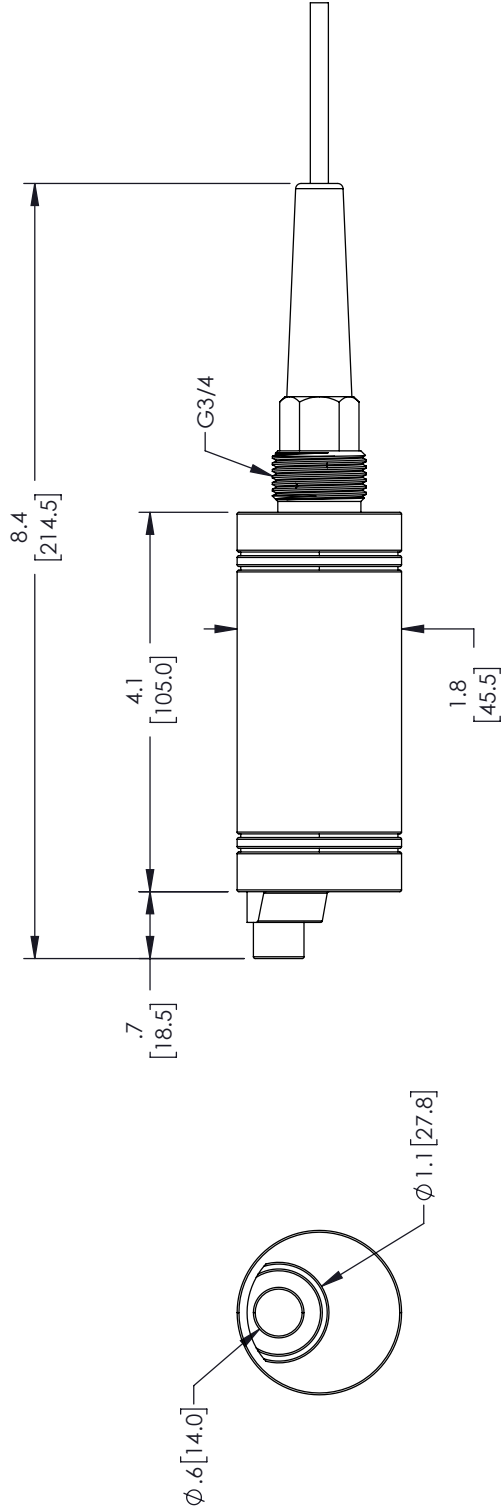
CE Compliant

The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

SRWQ100-ZD102-9101 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/29/22	THOUGHTON



NOTES:
1. COMPONENT SHALL BE INDIVIDUALLY PACKAGED IN ACCORDANCE WITH L-COM SPECIFICATION PS-0031.

REGULATORY COMPLIANCE:
EU RoHS Directive (Most Recent Released Version)

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS			TOLERANCES: X ± .2 [.008] FRACTIONS .XX ± .02 [.51] ± 1/32 XXX ± .005 [.13] ANGLES ± ° CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] ± +1 [125] / -0 12 [305] < L ≤ 60 [1524] ± +2 [51] / -0 60 [1524] < L ≤ 120 [3048] ± +4 [102] / -0 120 [3048] < L ≤ 300 [7620] ± +6 [152] / -0 300 [7620] < L = +5% / -0			THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-CORP. ANY REUSE, ALL RIGHTS RESERVED.			THIRD-ANGLE PROJECTION 		
50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936 Fax: 1.978.689.9484 Website: www.L-com.com E-mail: CustomerService@L-com.com			an INFINITO® brand			SHEET 1 OF 1 SCALE N/A			REV A		
SIZE A			CAGE CODE 43321			DRAWN BY DMAY			ITEM NO. SRWQ100-ZD102-9101		
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.											