



Product Information - LS

FOOD

"LS" Capacitive Point Level Detection

Introduction

The Level Switch (LS) point level detector is designed to provide reliable point measurement in a compact sensor suitable for a broad variety of applications and installations. Particularly suited for detection of water based (>25%) liquid media in vessels or pipes, the LS excels in foamy or viscous applications. Utilizing RF capacitive technology, the LS detects changes in the dielectric constant from air to detected media. Fast reacting, the LS will detect changes in state in less than one second. Featuring a dielectric threshold adjustment, sensor sensitivity may be selected to accommodate a broad range of media while eliminating false readings. The LS is also equipped with a status LEDs and available with an optional windowed cover allowing local indication of sensor condition simplifying startup and diagnostic procedures. A simple three wire connection allows power and signal to connect directly to a PLC without the need for an external relay module. Standard Anderson quick disconnect eases installation by utilizing three conductor cable. The receptacle even maintains NEMA 4X water tight protection when disconnected. Finally the stainless steel enclosure is designed to protect from the rigors of frequent wash downs and vibration.

Complete specifications and ordering information are available on the reverse. For more information please visit our Web Site at www.anderson-negele.com, or contact your local Authorized Anderson-Negele Distributor.

Authorizations

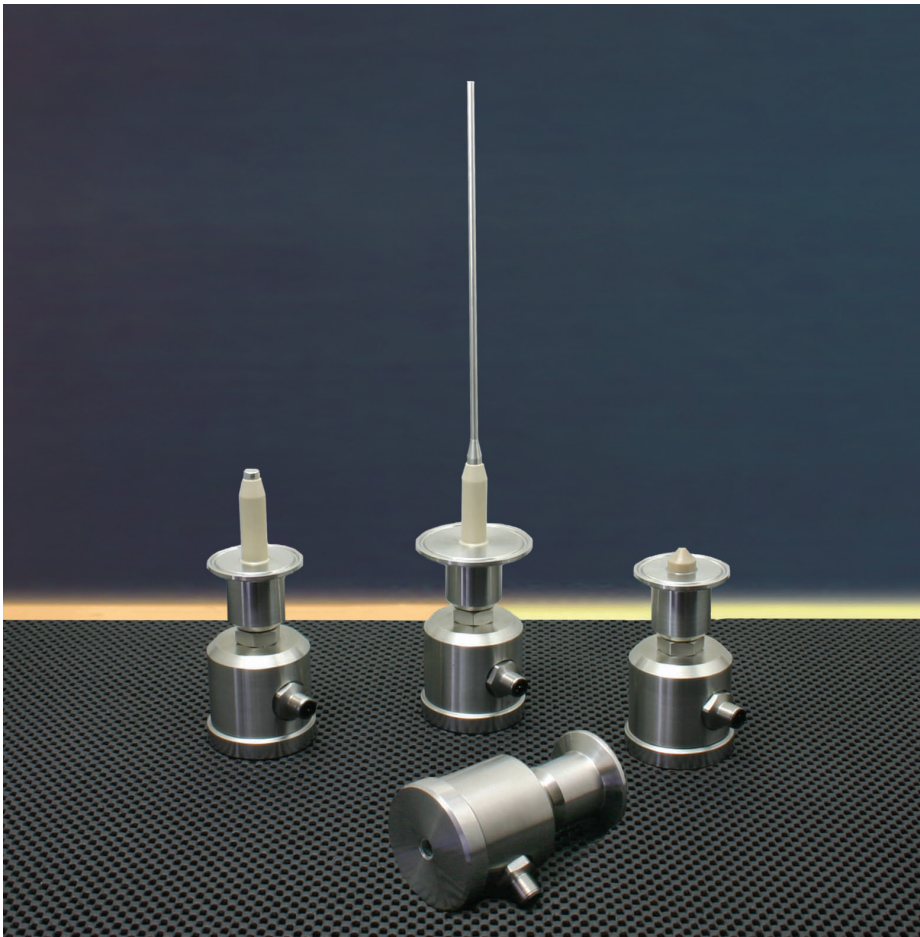


Features

- Conductivity independent
- Fast reaction time
- Selectable sensitivity
- Simple installation and connectivity
- 3-A compliant; Third party verified

Applications

- Level detection in vessels or pipes
- Product monitoring in pipes
- Empty vessel indication
- Pump protection
- Low conductivity fluids such as liquid sugar and Deionized water
- Foamy or Viscous media such as syrups or concentrates

**RODEM[®]**

PROCESS EQUIPMENT

www.rodem.com 800-543-7312

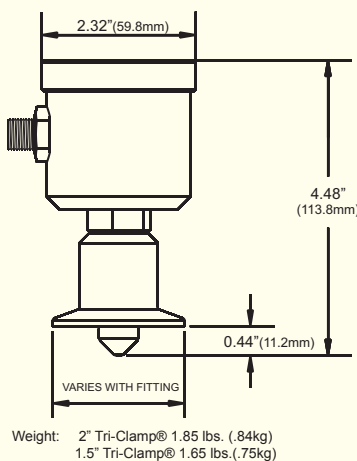
OPERATION/ENVIRONMENTAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

VISUAL INDICATION

WARRANTY:

2 Years



OUTPUT TYPE

1 PNP - Sourcing	000 Standard
2 NPN - Sinking (special order)	050 2" (50mm) 100 4" (100mm) 150 6" (150mm) 200 8" (200mm) 250 10" (250mm)

FITTING STYLE

004 1-1/2" Tri-Clamp®	
005 2" Tri-Clamp®	
165 G1/2" CLEAN Adapt ¹	

DISPLAY WINDOW

0 No window, Blank cover	Typical Configuration: <u>L S 1 0 0 5 1 1 0 1 0 0 0</u>
1 Window for display and status light	

SENSITIVITY

1 Standard	Level Switch with PNP Sinking Output Tri-Clamp® Process Connector Display, Field Wireable Receptacle Standard Probe.
2 Dielectrics from 2-20(special order) Only standard and 2" probe length options available	

SENSOR WIRING

Code	Description	Connector Type
00	QDR w/No FWC & no Cable	QDR - Quick Disconnect Receptacle
01	QDR w/FWC & no Cable	FWC - Field Wireable Connector
05	QDR w/25 ft 5-Conductor Molded Cordset	
10	QDR w/50 ft 5-Conductor Molded Cordset	
20	QDR w/100 ft 5-Conductor Molded Cordset	

¹ Meets 3-A when used with 1/2" or larger process connections.

Typical Configuration:

LS10051101000

Level Switch with PNP Sourcing Output, 2" Tri-Clamp® Process Connection, Window Display, Field Wireable Connector and Standard Probe.

¹ Meets 3-A when used with a 3-A compliant adapter