DST Ultrasonic Level Sensors
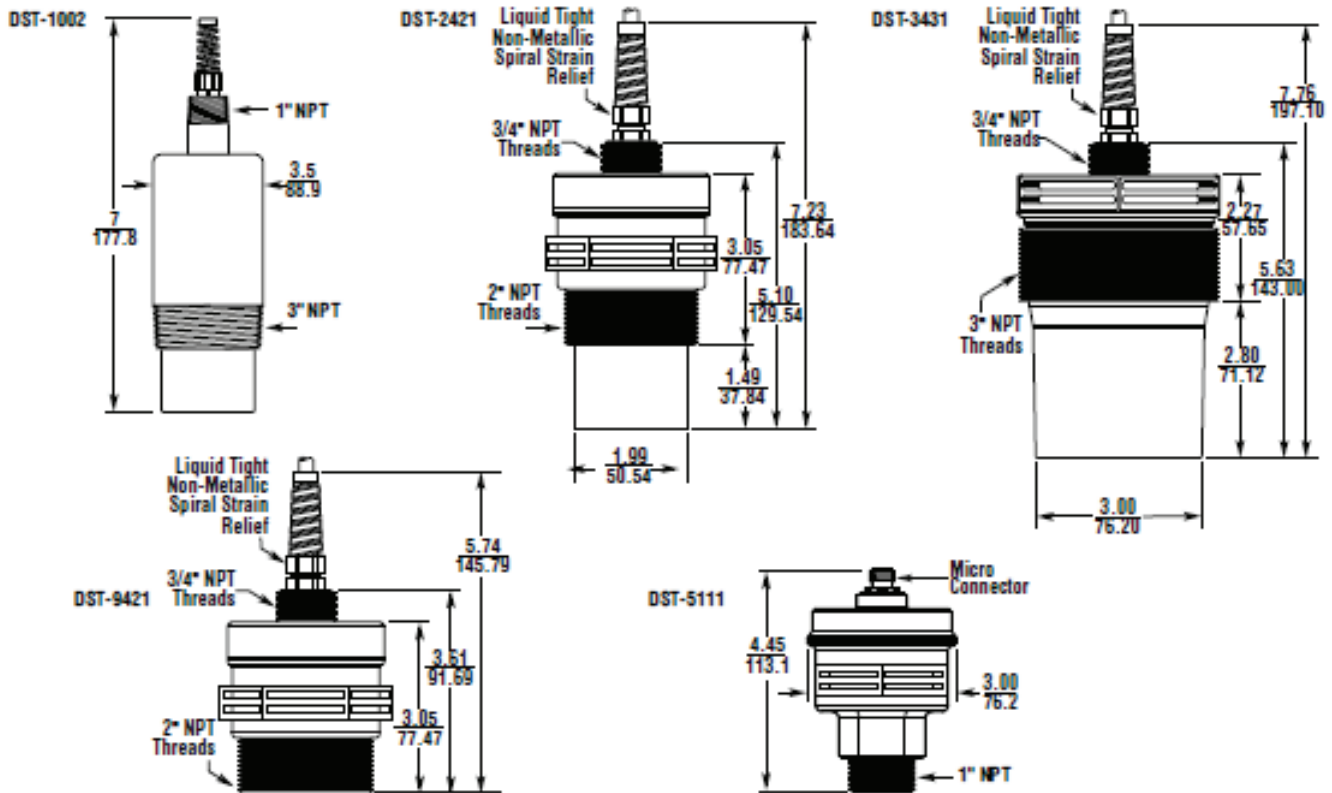
Flexible by Design

The DST series ultrasonic sensors are designed to be used in conjunction with the DCR controllers to give you a simplified, stand-alone system. The transmit and receive circuit is built into the sensor and digitally communicates the detected distance to the DCR controller. This allows the sensor to be separated from the DCR controller by up to 2000 feet with no signal loss. With several sensors to choose from, there are plenty of options for your application needs.

Features

- AutoSense software provides hassle-free setup
- Internal Temperature Compensation
- Controller and sensor can be separated up to 2000 ft. (650 m)

DST Specifications

Performance

- Beam Pattern: 9º off axis
- Internal Temperature Compensation
- Accuracy: ±0.25% of detected range

Connectivity

- Output:
    DCR Controller

Certification

DST-1002
- FM Class1, Div 1

Electrical

- Wiring Connection: 2 conductor shielded cable

Programming

- Interface with RST-3001/3002 Programmer
    (purchase separately)
    -*The RST-3001 is 32 bit only*
    -*The RST-3002 is 32 and 64 bit compatible*
- User selected units of measure

Physical

- PC/PET blend
- Electrostatic

Environmental

- Ratings: NEMA 6P, IP65, NEMA 12
- Operating Temp: -22º - 140ºF (-30º - 60ºC)

Options

Part Number: DST- _____ - _____
                          A   B

A. Model

☐ **1001**   0.6 - 35 ft (electrostatic)
☐ **1002**   1.5 - 35 ft
☐ **2421**   1 - 25 ft
☐ **3431**   1.25 - 50 ft
☐ **5111**   4 - 72 in
☐ **9421**   0.5 - 35 ft

B. Cable/Micro Connector

Specify length - standard length 9s 10 feet

☐ **CL**   2 conductor cable
☐ **CXL**   Co-axial cable with "F" connector
☐ **M**   Micro connector (note: Mating connector cable sold separately)

DST Accessories

Please order separately, by part number.

Description	Part Number
4 Conductor over-molded extension cable with foil shield	
Straight, 2 m	135407-0002
Right Angle, 2 m	135407-1002
Stright, 5 m	135407-0005
Right Angle, 5 m	135407-1005
Order 1 controller per sensor	
DCR-1003	125114
DCR-1004	125115
DCR-1005	125118
DCR-1006	125119
DCR-1008	125010
Programming Module	
RST-3001 (USB)	125389
RST-3002 (USB - 32 and 64 bit compatible)	125389-1000