

# DST Series

Mid-Range, Pump Control Ultrasonic Level Sensors

## Datasheet

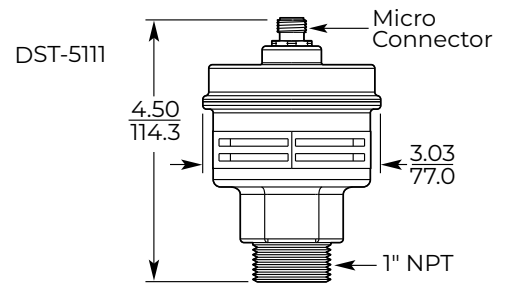
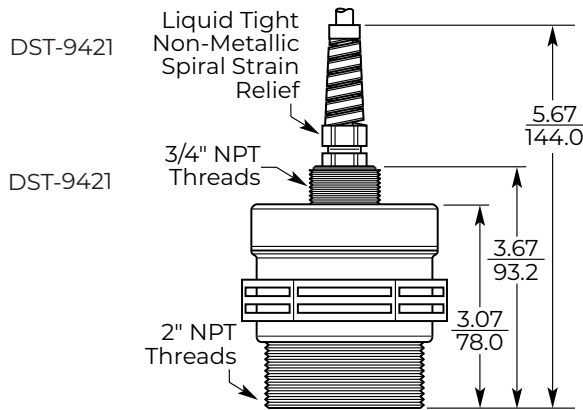
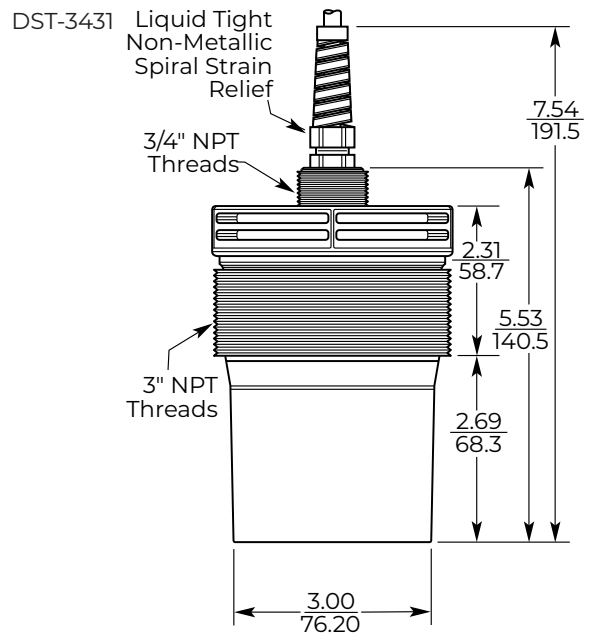
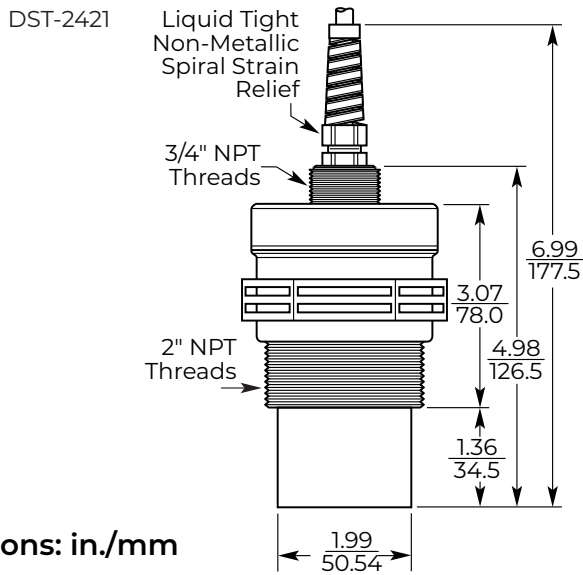


The DST series ultrasonic sensors are designed to be used in conjunction with a DCR controller to give you a simplified, stand-alone system. The transmit and receive circuit is built into the sensor and digitally communicates the detected distance to the DCR controller. This allows the sensor to be separated 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



# MND SPECIFICATIONS

## Performance

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

## Connectivity

Output	DCR Controller
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## Physical

PC/PET Blend Body	IP67 / IP68
Electrostatic Transducer	DST-2421, 3431, 5111, 9421
Ceramic Transducer	DST-2421, 3431, 5111

## Electrical

Wiring Connection	2 conductor shielded cable
WW	Coaxial cable (requires DCR-1006A with F connection)

## Programming

Interface with DCR Controller via APG Modbus Software
User selected units of measure

## Environmental

Ratings	NEMA 6P
	NEMA 12
	IP65
Operating Temperature	-22° to 140°F (-30° to 60°C)

## DST COMMON MODEL CONFIGURATIONS

All models require DCR-1006A

Model Number	Model Description
DST-2421-C10	<b>1-25 ft. range</b> , Ceramic Transducer, 2" NPT, PC/PET Body, <b>10 ft. cable</b>
DST-2421-M	<b>1-25 ft. range</b> , Ceramic Transducer, 2" NPT, PC/PET Body, <b>M12 micro-connector</b>
DST-3431-C10	<b>1.25-50 ft. range</b> , Ceramic Transducer, 3" NPT, PC/PET Body, <b>10 ft. cable</b>
DST-3431-M	<b>1.25-50 ft. range</b> , Ceramic Transducer, 3" NPT, PC/PET Body, <b>M12 micro-connector</b>

## DST ACCESSORIES

Please order separately, by part number.

Description	Part Number
<b>4 Conductor over-molded extension cable with foil shield</b>	
Straight, 2 m	135407-0002
Right Angle, 2 m	135407-1002
Straight, 5 m	135407-0005
Right Angle, 5 m	135407-1005
<b>Order 1 controller per sensor</b>	
DCR-1006A	125791
DCR-1006A-F	125791-0003





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