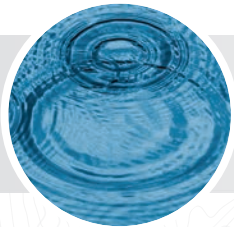




EXTREME ENVIRONMENTS  
EXTREMELY RELIABLE



# RADAR STAGE SENSOR



## Best in Class Accuracy

The FTS Radar Stage Sensor delivers fully digital best in class accuracy of up to +/-1mm (0.003ft) through its complete standard measurement range. With its unique ability to set running average through an SDI-12 command, the Radar really customizes to your environment. Reliably designed, IP66 rated with a rugged aluminum housing, the Radar seamlessly connects with your existing DCP through SDI-12 and optional 4-20mA.



### OPTIONS:

4-20mA Output • Military Connector • OEM Display Module

### WHAT'S INCLUDED

- Radar Stage Sensor
- Mounting Bracket
- 1.8m (6ft) SDI-12 Output Cable
- Bubble Level



SPECIFICATIONS	SDI-RADAR	SDI-RADAR-64
USE CASES	Open water, rivers, stilling wells, commonly used by USGS	Open water, rivers, stilling wells, areas requiring higher accuracy
<b>ACCURACY</b>		
Standard Range	+/- 2mm (0.007ft)	+/- 1mm (0.003ft)
<b>MEASUREMENT</b>		
Maximum	Up to 35m (114.8ft)	30m (98.4ft)
Blanking distance / Near zone	0.5m (1.7ft)	0.25m (0.8ft)
<b>BEAM FREQUENCY</b>		
Frequency Band	K-Band (26GHz)	W-Band
<b>COMMUNICATION</b>		
Output	SDI-12 (OPTIONAL 4-20mA)	
<b>POWER</b>		
Supply Current @ 12VDC	<8mA in high power <2mA in low power mode	
Voltage Requirements	10.6 to 16VDC	
<b>TEMPERATURE</b>		
Operating	-40...+80C	
Storage	-40...+80C	
<b>PHYSICAL</b>		
Housing Size	W: 70mm (2.76in) x D: 130mm (5.12in) x H: 120mm (4.72in)	
Horn Size	W: 115mm (4.53in) x H: 113mm (4.45in)	
Weight	1.75kg (3.85lbs)	
Material	Housing: Aluminum Antenna Horn: PBT Plastic	
Protection Rating	IP66/67	



Distance	SDI-RADAR Beam Width	SDI-RADAR-64 Beam Width
3m (9.84ft)	0.61m (2.00ft)	0.24m (0.78ft)
6m (19.69ft)	1.14m (3.73ft)	0.39m (1.29ft)
9m (29.53ft)	1.67m (5.47ft)	0.55m (1.81ft)
12m (39.37ft)	2.20m (7.20ft)	0.71m (2.33ft)
15m (49.21ft)	2.72m (8.94ft)	0.87m (2.84ft)
20m (65.62ft)	3.61m (11.83ft)	1.13m (3.70ft)
25m (82.02ft)	4.49m (14.72ft)	1.39m (4.56ft)
30m (98.43ft)	5.37m (17.62ft)	1.65m (5.42ft)
35m (114.83ft)	6.25m (20.51ft)	