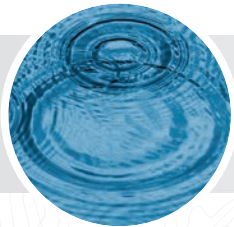




EXTREME ENVIRONMENTS
EXTREMELY RELIABLE



RADAR STAGE SENSOR



Compact and Accurate

The FTS C23 Radar Stage Sensor blends best in class sensor performance with innovative miniaturization. By leveraging the 80 GHz frequency band, this 130mm (5.13in) long sensor continues to meet an accuracy of +/-2mm (0.006ft), and only weighs 0.7kg (1.54lbs). With a beam angle of 4° and built-in Bluetooth for wireless communication, accessing sensor configuration has never been easier.



ACCURACY	
Standard Range [0.5m to 35m (1.64ft to 114.83ft)]	+/- 2mm (0.007ft)
MEASUREMENT	
Maximum	Up to 30m (98.43ft)
Blanking distance / Near zone	0.5m (1.7ft)
BEAM FREQUENCY	
Frequency Band	W-Band (80GHz)
COMMUNICATION	
Output	SDI-12
POWER	
Supply Current @ 12VDC	<8mA in high power; <2mA in low power mode
Voltage Requirements	10.6 to 16VDC
TEMPERATURE	
Operating	-40...+80C (-40...+176F)
Storage	-40...+80C (-40...+176F)
PHYSICAL	
Housing Size	W: 76mm (2.99in) x D: 76mm (2.99in) x H: 130mm (5.13in)
Protection Rating	IP66
Weight	0.7kg (1.54lbs)
Material	Housing Material: PVDF



BEAM WIDTH AT 4°	
Distance	Width
3m (9.84ft)	0.29m (0.95ft)
6m (19.69ft)	0.50m (1.64ft)
9m (29.53ft)	0.71m (2.33ft)
12m (39.37ft)	0.92m (3.02ft)
15m (49.21ft)	1.12m (3.67ft)
20m (65.62ft)	1.47m (4.82ft)
25m (82.02ft)	1.82m (5.97ft)
30m (98.43ft)	2.17m (7.12ft)

OPTIONS:

Military Connector

WHAT'S INCLUDED

- Radar Stage Sensor
- Mounting Bracket
- 5m (16ft) SDI-12 Output Cable



CANADA 1065 Henry Eng Place | Victoria, BC | V9B 6B2
USA 1124 Fir Avenue, Suite C | Blaine, WA | 98230
 ftsinc.com | 1.800.548.4264



Rev. 06-08-2021

**EXTREME ENVIRONMENTS
 EXTREMELY RELIABLE**