



RSN link HR 3D

TECHNICAL SPECIFICATION

Sensor	3D accelerometer, thermometer; 2D electrolytic cell, thermometer
Accelerometer range	$\pm 2 \text{ g}$
Accelerometer sensitivity	0.244 mg/LSB
Accelerometer stability	$\pm 0.008 \text{ }^\circ\text{C}$
Accelerometer accuracy	$\pm 1 \%$
Thermometer sensitivity (MEMS)	0.96 $^\circ\text{C}$ / LSB
Thermometer repeatability (MEMS)	1 $^\circ\text{C}$
Electrolytic cell range (linear)	$\pm 25 \text{ }^\circ\text{C}$
Resolution of electrolytic cell	< 0.2 arc minutes (.003 $^\circ$)
Repeatability of electrolytic cell	$\pm 0.1 \text{ }^\circ$
Temperature coefficient (electrolytic cell)	
Null	20 arc seconds/ $^\circ\text{C}$
Scale	0.1 %/ $^\circ\text{C}$
Operating temperature range	-40 $^\circ\text{C} \div +85 \text{ }^\circ\text{C}$
Node weight	0.4 kg
Dimensions:	
Length	80 mm
Width	58 mm
Height	124 mm

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