H25 Single-Turn Stainless Steel Resolver Transducer

High Temperature Rated

Features

- 304 Stainless Steel Housing & Shaft
- High Temperature Rating of up to 150°C (302°F)
- IP67 Rated; Superior Durability
- Ideal for High-Shock Environments

Capabilities

The corrosion resistant construction and high temperature rating of AMCI's H25 stainless steel resolver transducer allows it to be used in environments where most sensors fail.

Demanding applications such as paper mills, steel mills, and mining operations are the inspiration for this extreme-duty rotary sensor.

Visit www.amci.com to learn about these capabilities, and more.

*Specifications on back

H25 Single-Turn Stainless Steel Resolver Transducer

Product Specifications

H25 Mechanical Specifications:	
Shaft Loading: (3/8" Shaft) 40 lbs. radial/20 lbs. axial maximum shaft loading. Bearing life rated at $2x10^9$ revolutions minimum at maximum shaft load	**Moment of Inertia:** (3/8" Shaft) 6.00×10^{-4} oz-in-sec^2
	RPM: 6,000 max.
	Weight: 3.5 lbs. max.
Housing: 304 stainless steel	**Shaft:** 304 stainless steel
H25 Electrical Specifications:	
Input Frequency: 5,000 Hz	**Rotor Input Voltage:** 7.0 V rms
Stator Output Voltage: 6.65 V rms	**Transformation Ratio:** 0.95± 5%
Input Current: 20 mArms max.	**Phase Shift:** 10° max.
Accuracy: max. error: ±10 minutes	
Environmental Specifications:	
Operating Temperature: H25C-FE = -40°C to 125°C (-40°F to 257°F) H25-FE-R3HC = -40°C to 150°C (-40°F to 302°F)	**Shock:** 50G's for 11mSec
	Vibration: 15 G's to 2,000 Hz
	Enclosure: IP67 Rated

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