

AMCI's wide selection of resolvers, resolver interfaces, and related accessories provide a complete, quality solution supported by over 25 years of product design, manufacturing, and application experience.

AMCI offers over 50 different types of resolvers, manufactured in popular industry standard sizes at competitive prices. The resolver product line is offered in aluminum or stainless steel construction, and boasts up to an IP67 rating. Solid shaft and hub shaft versions are available, and both types incorporate an oversized double row bearing that supports shaft loads up to 100 lbs. radial / 50 lbs. axial.

AMCI also manufactures a complete line of resolver interface products, cables, and connectors, providing customers with a complete system solution. AMCI resolver products are designed for long lasting, reliable performance.

## Demanding Applications

### Steel



Severe duty sensors for arc and oxygen furnace control, continuous casting lines, the rolling process and coating operations.

### Automotive



Resolver position sensors and interfaces for metal forming, transfer presses, gantry control and tire manufacturing operations.

### Mining



Multi-turn and networked rotary sensors for cable car control, shovel positioning, conveyor lines and excavation machinery applications.

### Military



Ultra-reliable position sensors for turret control, satellite positioning, cargo transport lines and aerospace applications.



Single-Turn

	HT-20	HT-20C	H25	H25D	NR25	HT-400
						
<b>Specifications</b>						
Shaft Loading Radial	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.
Shaft Loading Axial	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.
Package Size	2.0" x 2.0" x 4.75" (50.8mm x 50.8mm x 120.7mm)	2.0" x 2.0" x 4.75" (50.8mm x 50.8mm x 120.7mm)	2.5" (63.5mm) diameter	2.5" (63.5mm) diameter	2.5" (63.5mm) diameter	4.0" (101.6mm) diameter
Housing Material	Aluminum	304 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum 316 Stainless Steel	Aluminum
Shaft Diameters	5/8"	5/8"	1/4", 3/8", 10mm, 5/8" Hub Shaft: 3/8", 10mm, 1/2", 12mm	1/4", 3/8", 10mm, 5/8" Hub Shaft: 3/8", 10mm, 1/2", 12mm	1/4", 3/8", 10mm, 5/8" Hub Shaft: 3/8", 10mm, 1/2", 12mm	5/8"
Shaft Material	1070 Carbon Steel 303 Stainless Steel	304 Stainless Steel	303 Stainless Steel	316 Stainless Steel	303 Stainless Steel 316 Stainless Steel	303 Stainless Steel
Mounting Styles	Face Mount Foot Mount*	Face Mount Foot Mount*	Square Flange Servo Mount Motor Mount Hub Shaft	Square Flange Servo Mount Hub Shaft	Square Flange Servo Mount Hub Shaft	Face Mount
Operating Temp	-40°C to 125°C (-40°F to 257°F)†	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F) up to 150°C avail.†	-40°C to 85°C (-40°F to 185°F)	-40°C to 125°C (-40°F to 257°F)
Shock	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec
Vibration	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz
Protection Class	IP67	IP67	IP67	IP67	IP67	IP64
Interfaces Plug-In Modules	1756 ControlLogix 1769 CompactLogix 1764 MicroLogix 1762 MicroLogix 1746 SLC500 1771 PLC-5 GE 90-30 GE 90-70 Modicon Quantum Square D SY/MAX	1756 ControlLogix 1769 CompactLogix 1764 MicroLogix 1762 MicroLogix 1746 SLC500 1771 PLC-5 GE 90-30 GE 90-70 Modicon Quantum Square D SY/MAX	1756 ControlLogix 1769 CompactLogix 1764 MicroLogix 1762 MicroLogix 1746 SLC500 1771 PLC-5 GE 90-30 GE 90-70 Modicon Quantum Square D SY/MAX	1756 ControlLogix 1769 CompactLogix 1764 MicroLogix 1762 MicroLogix 1746 SLC500 1771 PLC-5 GE 90-30 GE 90-70 Modicon Quantum Square D SY/MAX		1756 ControlLogix 1769 CompactLogix 1764 MicroLogix 1762 MicroLogix 1746 SLC500 1771 PLC-5 GE 90-30 GE 90-70 Modicon Quantum Square D SY/MAX
Network Interfaces	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2		AMCI Nexus AMCI ANA2
Available Accessories	Cables Mating Connectors *Foot Mount Bracket	Cables *Foot Mount Bracket	Cables Mating Connectors	Cables Mating Connectors	Cables Mating Connectors	Cables Mating Connectors

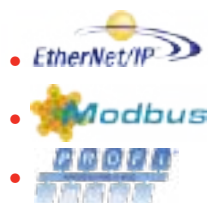
†specifications vary among different model numbers

Multi-Turn					Redundant	
HT-20-X	HTT-20-X	HT-400-X	HTT-400-X	HTT/HMT-425	HTT-20-1	HTT-400-1
						
100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.	100 lbs Max.
50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.	50 lbs Max.
4.0" x 3.0" x 4.375" (101.6mm x 76.2mm x 111.13mm)	4.0" x 3.0" x 4.375" (101.6mm x 76.2mm x 111.13mm)	4.0" (101.6mm) diameter	4.0" (101.6mm) diameter	4.25" (107.95mm) diameter	4.0" x 3.0" x 4.375" (101.6mm x 76.2mm x 111.13mm)	4.0" (101.6mm) diameter
Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
1070 Carbon Steel	1070 Carbon Steel	1070 Carbon Steel	1070 Carbon Steel	303 Stainless Steel	1070 Carbon Steel	1070 Carbon Steel
Face Mount Foot Mount*	Face Mount Foot Mount*	Face Mount	Face Mount	Face Mount Foot Mount Motor Mount	Face Mount Foot Mount*	Face Mount
-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)	-40°C to 125°C (-40°F to 257°F)
50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec	50G's for 11 mSec
15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz	15g's to 2,000 Hz
IP64	IP64	IP64	IP64	IP67	IP64	IP64
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AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2	AMCI Nexus AMCI ANA2
Cables Mating Connectors *Foot Mount Bracket	Cables Mating Connectors *Foot Mount Bracket	Cables Mating Connectors	Cables Mating Connectors	Cables Mating Connectors Foot Mount Bracket	Cables Mating Connectors *Foot Mount Bracket	Cables Mating Connectors

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Over twenty years ago, we developed the unique technology to interface the resolver sensor directly into the Allen-Bradley PLC-5 with the AMCI 1700 series resolver interface module. Today, AMCI delivers a complete rotary sensor solution for a wide variety of PLCs and industrial networks. We proudly research, design, manufacture and test our products in Terryville, CT USA. Through this integrated approach to product development, we can customize our existing solutions to meet specific end-use applications.

## ▶ Plug-In & Network Interfaces



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### AMCI Corporate Headquarters

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