



MAXIGARD™

SIGNAL CONDITIONER / TRANSMITTER

Maxigard C3000/C3000SC/CM3000 SIGNAL TRANSMITTER

FUNCTION:

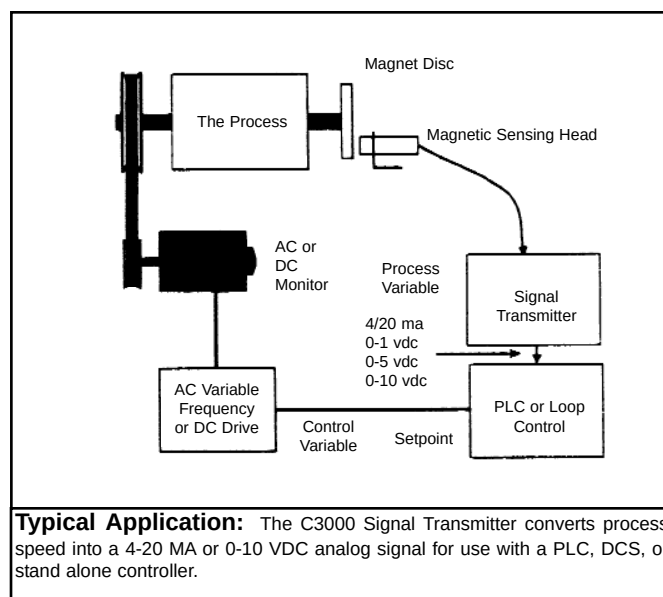
- Converts rotational speed into analog 4-20 MA or 0-10 VDC outputs
- Provides closed loop signal to variable speed drives
- Provides tach feedback signal to PLC, DCS or digital display meter

ADVANTAGES:

- Up to 1 inch gap tolerance between sensor and target
- Sensor is not affected by material buildup or moisture
- Sensor signal can be run up to 10,000 feet
- Operating range from 5 RPM to 10,000 RPM
- By monitoring the driven shaft, feedback signal indicates slip in the drive system
- Complete system includes sensor, target, circuit and enclosure
- Five Year Warranty

APPLICATIONS:

- Tach Feedback Loops
- PLC Interface
- DCS Interface
- Chart Recorder Interface
- Screw Conveyors
- Pumps
- Conveyors
- Rotary Airlocks
- Feed Rolls
- Pumps
- Industrial Fans/ Blowers



STANDARD SYSTEM INCLUDES:

Magnetic Disc • Sensor • 10' of 2 Wire Cable • Mounting Bracket • Circuit with Power Supply • Enclosure or Housing (CM300 does not include enclosure)

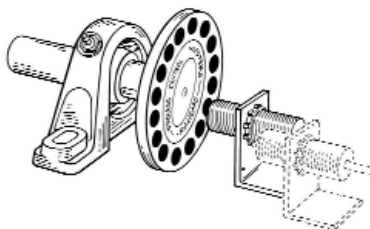
MAXIGARD™ C3000 Series

SPECIFICATIONS:	C3000	C3000C	CM3000	C3000SC
Power Requirements	115 VAC, $\pm 10\%$ 50/60 Hz	115 VAC, $\pm 10\%$ 50/60 Hz	115 VAC, $\pm 10\%$ 50/60 Hz	115 VAC, $\pm 10\%$ 50/60 Hz
Power Consumption	10 Volt-Amps	10 Volt-Amps	12 Volt-Amps	12 Volt-Amps
Operating Temperature	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F	-40°F To +140°F
Sensor To Target Tolerance	1/8" To 1"	1/8" To 1"	1/8" To 1"	1/8" To 1"
Sensor Output	≤ 5.1 VAC	≤ 5.1 VAC	≤ 5.1 VAC	Not Applicable
Sensor Construction	Anodized Aluminum Epoxy Encapsulated	PVC Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated	Anodized Aluminum Epoxy Encapsulated
Sensor Cable	22 Gauge / 2 Wire Shielded Belden 8761 or equal	22 Gauge / 2 Wire Shielded Belden 8761 or equal	22 Gauge / 2 Wire Shielded Belden 8761 or equal	9" Pigtail/18 Gauge
Speed Range	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM	5 RPM to 10,000 RPM
Transmitter Output	4-20 MA or 0-10 VDC	4-20 MA or 0-10 VDC	4-20 MA or 0-10 VDC	4-20 MA or 0-10 VDC
Accuracy	$\pm 2\%$ of Full Scale	$\pm 2\%$ of Full Scale	$\pm 2\%$ of Full Scale	$\pm 2\%$ of Full Scale
Magnetic Disc	4" Dia./Anodized Alum.	4" Dia./PVC	4" Dia./Anodized Alum.	4" Dia./Anodized Alum
Enclosure	UL Listed NEMA 4 8" x 6" x 3.5"	UL Listed NEMA 4X Fiberglass 10.5" x 6.5" x 5.88"	DIN Rail/ Panel Mount	UL Listed / CSA Certified Cast Aluminum Class I Div 1&2, Gr D Class II Div 1&2, Gr E,F,G Class III

SPECIFICATIONS MAY CHANGE WITHOUT NOTIFICATION

Options:

Explosion Proof Sensor
Explosion Proof Enclosure
Digital Meter
Analog Meter
Magnet Wrap
Warning Horn
Special Magnet Target
12 or 24 VDC / 230 VAC
High Temperature



1/8" to 1" air gap between disc & sensor

FEATURES:

- Will work in challenging applications
- Is not affected by material buildup or moisture
- Will work when out of alignment
- Up to 1" gap tolerance
- Sensor can be remote mounted up to 10,000 ft.
- Will work in applications with vibration
- Designed for industrial applications



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Sold By: