



MAXIGARD™

Altra•gap™

PULSE TRANSDUCER TRANSMITTER

C5000: CLASS 1, EXP. PROOF ENCLOSURE

C5000B: NEMA 4, STEEL ENCLOSURE

C5000D: NEMA 4, THREADED TUBE

C5000NF: NEMA 3, PVC ENCLOSURE

CONVERT ROTATIONAL OR LINEAR MOTION INTO DIGITAL PULSES

A SOLID STATE INTERFACE FOR PLC'S DESIGNED FOR MOST INDUSTRIAL ENVIRONMENTS

FUNCTION:

- Provides square wave pulses
- An interface for computers, counters and/or programmable controllers
- Low cost data transducer
- TTL and CMOS compatible

FEATURES:

- Heavy duty construction
- Current sinking or sourcing output mode
- User adjustable pulse width
- Bi-directional
- Accurate pulse output

ADVANTAGES:

- No mechanical connection to the monitored shaft
- Low cost complete sensing package, no extras to buy
- Easy and fast installation
- Choice of enclosures for all industrial environments
- LED pulse indicator
- Wide gap tolerance

APPLICATIONS:

- Conveyor systems
- Packaging machines
- Machine tools
- Batching, blending
- PLC interface
- Position indication
- Counting/inventory control
- Digital motion control



EACH SWITCH INCLUDES AS STANDARD:

Magnetic Disc • Sensor • Circuitry • Enclosures • Mounting Bracket

MAXIGARD™

C5000 SERIES

SPECIFICATIONS:

POWER REQUIREMENTS:

6/24 VDC @ 30 MILLI-AMPS,
EXTERNAL POWER SUPPLY
REQUIRED, POWER CONSUMPTION IS
.45 WATTS

SIGNAL OUTPUT: OPTICALLY
ISOLATED OUTPUT

PULSE RATE: 7500 PER SECOND MAX.

AMPLITUDE: 6/24 VDC, HALL EFFECT
12 VDC STANDARD

PULSE WIDTH: .1 TO 100 MS

ADJUSTABLE POT, TTL AND CMOS
COMPATIBLE, SOURCING OR
SINKING. MAXIMUM OUTPUT: 20
MILLI-AMPS AT RATED VOLTAGE

FUNCTIONAL:

SENSING DISTANCE: 1000' FROM
C5000 TO CONTROLLERS

SENSING GAP: 1/4" TO 3/4"

ALTRA-GAP™ SENSING CAPABILITY
NOT IMPAIRED BY BUILD UP OF
FOREIGN MATERIAL

OPERATING TEMPERATURE:

-40°F TO 185°F

CONSTRUCTION:

MAGNET DISC: ANODIZED ALUMINUM,
OR PVC, CERAMIC MAGNETS

MAGNET WRAP: (OPTIONAL)
MACHINED ALUMINUM, OR PVC,
CERAMIC MAGNETS, WRAP IS BORED
TO FIT SHAFT DIAMETER.

ENCLOSURES:

UL AND CSA APPROVED

C5000: CLASS I, GROUP D, CLASS II, E,
F, G (THIS IS NOT WATERPROOF)

C5000B: NEMA 4 STEEL ENCLOSURE

C5000D: EPOXY ENCAPSULATED

THREADED TUBE

C5000NF: NEMA 3, PVC ENCLOSURE

OPTIONS:

- REMOTE POWER SUPPLY
- MAGNET WRAPS*
- COUNTING SYSTEMS
- STAINLESS STEEL SENSOR

RELATED BULLETINS:

- **C5000,C5000NF:**
INSTALLATION AND OPERATING
INSTRUCTIONS: C142
- **C5000B,C5000D:**
INSTALLATION AND OPERATING
INSTRUCTIONS: C209
- PRICING: A155
- FULL LINE CATALOG: A129

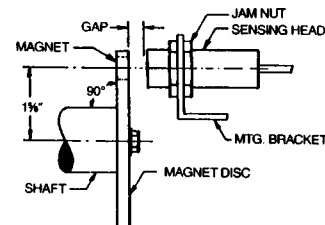
ORDERING INFORMATION:

- NUMBER OF PULSES PER
REVOLUTION
- PULSE RATE
- PULSE OFF TIME, ON TIME
- DISC OR WRAP
- EQUIPMENT INTERFACE

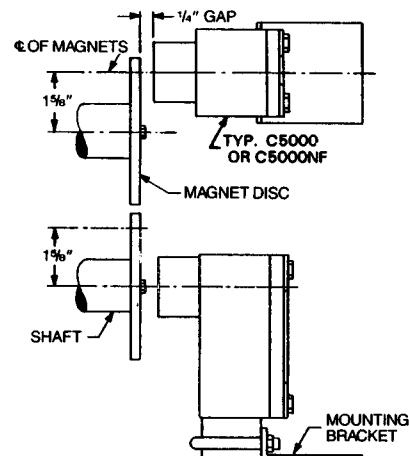
NOTE:

* CONSULT FACTORY FOR WRAPS THAT WILL BE
TURNING FASTER THAN 3000 RPM.

SENSING METHOD C5000B AND C5000D



SENSING METHOD C 5000 AND C5000NF



327 Lake Hazeltine Drive
Chaska, MN 55318
Toll Free: 800-328-0738 U.S. and Canada
Fax: 952-368-4129
<http://www.maxigard.com>
E-Mail: info@maxigard.com

SOLD BY: