

Speed Transmitter



General Specifications

STANDARD FEATURES

Accuracy

Accuracy

+ 0.05% of full scale

Linearity

+ 0.05% of full scale

Repeatability

+ 0.01% of full scale

Temperature range

-40 to 85/BC

Drift

100PPM/BC

INPUTS

***Call factory for ordering and

FULL SCALE OUTPUTS (DC)

Contact Factory

FULL SCALE RANGE

4 to 20 mA

32 mA current limit

ENVIRONMENTAL

Temperature

-20 to 160 Degrees F

operating, -40 to 200

Degrees F storage

Mechanical

4"L X 1.5"W X 3.8"

Weight

4 oz.

Contact Information

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STANDARD FEATURES

The 3500 Series signal conditioner is designed to be an inexpensive alternative to the more elaborate protection monitoring systems. The 3500 offers several standard features, such as:

- * Galvanic isolated Loop
- * Small size, suitable for multiple units in space limited areas
- * Connects directly to a PLC and/or plant DCS
- * Low per point cost
- * Loop Powered



The Model 3508 is best suited for those applications where digital speed systems are not economical or are difficult to implement. The 3508 will accept inputs from Magnet reluctance transducers, proximity probe drivers, Hall effect devices, proximity switches, TTL, CMOS devices, and other pulse generators. To prevent false readings a 1 V signal threshold must be exceeded.

A laser trimmed current generator, coupled with a highly stable switched capacitor device, provides excellent accuracy, stability, and linearity. Only one pulse per revolution is required. However, the more pulses per revolution the faster the response.

Zero and span controls are provided to allow for trim adjustment in the field.

Two mounting configurations are available. The Model 3520 provides places for 6 conditioners

The module 3524 is a single unit mount that snaps into a DIN rail.

Laser-trimmed voltage to current converter provides excellent loop powered operation

Outputs are provided to drive a common relay or independent relays.