

ACCUPULSE GEARBOX SPEED SENSOR

Gearbox-mounted speed sensor available in single-pulse and dual-pulse versions



AT A GLANCE

Single-pulse or dual-pulse

SUPPLY

8 to 32 V D.C.

OUTPUT

1 to 8 pulses per revolution

THREAD

M22 connection nut

OVERVIEW

- Converts mechanical rotation into electronic pulses for speed sensing applications.
- Utilises a splined wheel with a back-biased magnet.
- No contact between gearbox oil or grease and the electronic parts.
- Electronics are encased in epoxy compound to provide IP67 protection.
- Available in single-pulse and dual-pulse versions.

KEY FEATURES

- 8 to 32 V D.C. operating range
- 1 to 8 pulses per revolution
- Single-pulse or dual-pulse output
- Open collector output with 1K2 pull-up to supply
- Output voltage swing: 0.6 V to supply
- Load dump protection to ISO-TR763 and DIN 40839
- Reverse polarity protection
- M22 connection nut

TECHNICAL INFORMATION

SPECIFICATIONS

Dimensions: 62 mm × 37 mm × 27 mm

Operating voltage: 8 to 32 V D.C.

Pulses per revolution: 1 to 8 pulses

Connection nut: M22 thread

Operating temperature: -40 °C to +80 °C

Protection: IP67 epoxy-encased electronics

OUTPUT INFORMATION

- Single-pulse and dual-pulse versions available
- Open collector output with 1K2 pull-up to supply
- Output voltage swing: 0.6 V to supply
- Suitable for vehicle speed sensing and odometer inputs

WIRING

Single-pulse version

Brown: 8 to 32 V

Green: Ground

Blue: Pulses

Dual-pulse version

Brown: 8 to 32 V

Green: Ground

Blue: Pulses+

Black: Pulses-

APPLICATIONS

- Gearbox speed measurement
- Odometer and trip meter systems
- Vehicle speed input to control units
- Single-pulse or dual-pulse speed sensing applications