



SENSOR MODEL

- RP = Profile style
- RH = Hydraulic-rod style
- RF = Flexible style

HOUSING STYLE

Model RP only (magnet included):

- S = Captive-sliding magnet with joint at top (part no. 252182)
- V = Captive-sliding magnet with joint at front (part no. 252184)
- M = Floating magnet (open ring part number 251416-2)

Model RH only (magnet must be ordered separately):

- T = US customary threads, raised-faced hex, and pressure tube
- S = US customary threads, flat-faced hex, and pressure tube
- M = Metric threads, flat-faced hex, and pressure tube
- B = Sensor cartridge only (No application housing, stroke lengths 1 to 72 in.)

Model RF sensor only, (reference the flex housing style section in the Industrial Catalog, part number 551075), magnet must be ordered separately:

- S = US customary threads, flat-faced hex
- M = Metric threads, flat-faced hex

STROKE LENGTH

- _____ M = Millimeters (Encode in 5 mm increments)
- _____ U = Inches and tenths (Encode in 0.1 in. increments)

CONNECTION TYPE

Integral connector

- D70 = 7 pin DIN, integral, standard
- MS0 = 10 pin MS Connector

Integral cables

- P__ = Integral high performance cable (orange jacket) with pigtail termination.
- E__ = Integral standard cable with pigtail termination.
- F__ = Integral cable, black polyurethane jacket with pigtail termination.

Cable length

- __ = Encode in feet if using US customary stroke length, encode in meters if using metric stroke length Range = 1 (01) to 99 (99) ft. or 1 (01) to 30 (30) meters.

Integral cables with in-line connectors

- N09 = in line D7 male connector on 0.5m (1.6foot) PUR Cable (FD1 style)
- N07 = in line D7 male connector on 2m (6.5foot) PUR Cable (FD2 style)

INPUT VOLTAGE

- 1 = +24 Vdc (+20%, -15%), Standard
- A = +24 Vdc (+20%, -15%), **High Vibe**

OUTPUT

S [1][2][3][4][5][6] = Synchronous Serial Interface

- [1] Data length: 1 - 25 Bit 2 - 24 Bit 3 - 26 Bit
- [2] Output format: B - Binary G - Gray
- [3] Resolution (mm): 1 - 0.005 mm (0.0002 in.) 2 - 0.01 mm (0.0004 in.) 3 - 0.05 mm (0.002 in.) 4 - 0.1 mm (0.004 in.)
 5 - 0.02 mm (0.0008 in.) 6 - 0.002 mm (0.00008 in.) 8 - 0.001 mm (0.00004 in.)
- [4] Performance: 1 - Standard A - Skip filter / Error Delay (4 times) C - Skip filter / Error Delay (8 times)
- [5][6] Options: 00 - Measuring direction forward
 01 - Measuring direction reverse
 02 - Measuring direction forward, synchronized measurement
 05 - Measuring direction forward, Bit 25 = Alarm, Bit 26 = Parity even
 12 - Differential measurement synchronized (2 magnets)
 13 - Velocity asynchronous