RTX-P420 SERIES - Rotary Position Transducer 4 to 20 mA CURRENT OUTPUT

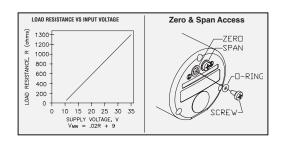
The UniMeasure RTX-P420 series rotary position transducer with 4 to 20 mA current output is primarily for use in moderate duty applications in wet or dry environments. The chemical resistant thermoplastic case of the transducer provides NEMA 4 (IP-65) ingress protection for applications where exposure to washdown, rain, oil and other liquids may occur. The sealed case is achieved through the use of o-rings and a shaft seal. Electrical connection options include a body mounted sealed plastic connector with mating connector or a sealed bulkhead fitting and multi conductor electrical cable of user specified length. Alternatively, the mating connector may be ordered with electrical cable as a separate item. As an installation convenience, end mounted or radial mounted connection locations are offered.

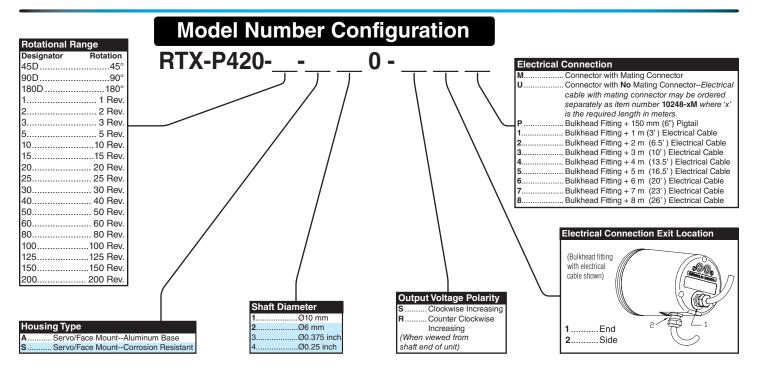


• SPECIFICATIONS

General Sensing Device Precision Potentiometer Resolution Essentially Infinite Linearity all ranges ±0.30% Full Scale Repeatability ±0.015% Full Scale Shaft Radial Load 4.5 Kg (10 lb.) maximum Electrical Connection...... Plastic Connector or Bulkhead Fitting with Electrical Cable Construction Anodized Aluminum or Stainless Steel Base & Thermoplastic Cover Life...... 50,000,000 Revolutions Minimum Environmental Operating Temperature-40°C to 95°C Storage Temperature.....-55°C to 95°C Operating Humidity100% R.H. Vibration......15 G's 0.1 ms max. Shock......50 G's 0.1 ms max. Ingress ProtectionNEMA 4, IP-65

Electrical Output.......4 to 20 mA





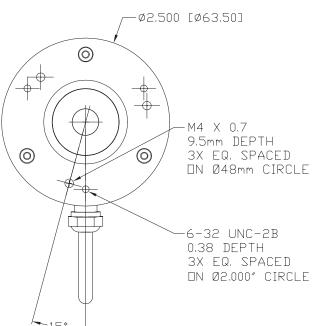
NOTE

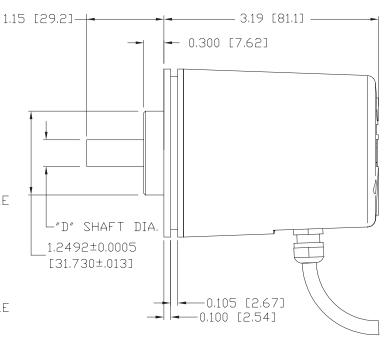
1) Shaded options available at additional cost.

Example RTX-P420-20-A10-R13

DIMENSIONAL INFORMATION

SHAFT DIAMETERS	
Nominal	Actual
10mm	Ø.3934 ±:0000
.375"	Ø.3748 ±:0005
.250"	Ø.2498 ±:0005
6 mm	Ø.2360 ± 0000





Dimensions in brackets are millimeters

ACCESSORIES

10349 SERVO CLEAT KIT

10349—Servo Cleat Kit—4-40 screws Includes 3 each servo cleats with 4-40 x 0.37 long screws. Order no.: 10349

10350 SERVO CLEAT KIT

10350—Servo Cleat Kit—M3 screws Includes 3 each servo cleats with M3 x 10mm long screws. Order no.: 10350

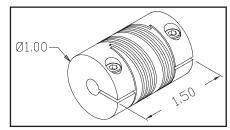
10248-xM MATING CONNECTOR WITH ELECTRICAL CABLE

10248-xM Mating connector with electrical cable. Electrical cable is 3 conductor, shielded cable with drain wire. Replace 'x' in part number with the required length in meter increments.

Order no.:10248-xM, where 'x' = length required in meters.

Helical Beam Couplings

A number of helical beam couplings are available to adapt the standard 10 mm shaft of the RTX to other popular shaft sizes. The couplings accommodate axial misalignment and offer zero backlash. Coupling material is aluminum. Order by number shown.



Order No.	Coupling Size
10388	10mm to 6mm
10389	10mm to 0.250"
10390	10mm to 0.375"
10391	10mm to 10mm
10392	10mm to 0.500"