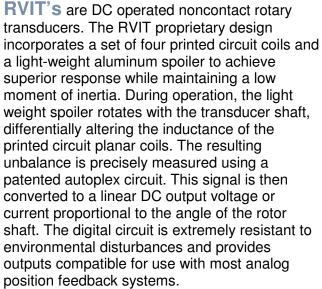
RVIT 15-60/RVIT 15-120i RVITs



For original equipment manufacturers, purchasing large quantities, a pulse width modulated digital output can be supplied as a special configuration. Other specialized options for volume applications include, regulated single or bipolar excitation, extended operating ranges, and custom uni-polar and bi-polar calibration scaling.

RVIT 15's are available with a choice of standard size 15 servo/syncro mounting or optional four hole flange mount. A shaft seal is supplied with flange mount for applications where protection from hostile environmental conditions are required. RVITs offer wide operating temperature range, infinite resolution, and a virtually infinite cycle life.

RVIT 15-60 and RVIT 15-120i rotary

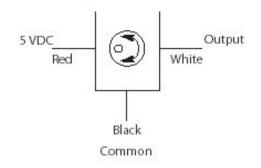
transducers are available in a variety of versions which provide a range of supply and output configurations. Calibrated outputs of ±3 VDC and 4-20 mA offer ideal flexibility for specialized OEM designs where unique power supply and interfacing requirements exist. Other specialized ranges, internal regulation and custom calibrated outputs are available for special order.

The standard RVIT 15-60 transducer emulates a potentiometer in that the output voltage is ratiometric to the input voltage, within the limits of the supply specification. In addition, the noncontact design of the RVIT provides virtually infinite rotational life and extremely high accuracy of ±0.25% FS.

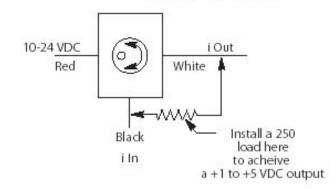


wiring

RVIT-15-60



RVIT-15-120i



Model RVITD Rev 1

www.meas-spec.com

RVIT 15-60/RVIT 15-120i RVITs

Specifications RVIT 15-60

Full Range Input Voltage (nom) Scale Factor Output Voltage (nom)

Input Current Output Current Output Impedance Frequency Response Linearity Error

Non-repeatability & Hysteresis Storage Temperature Range **Operating Temperature Range Temperature Coefficient of FS**

Lead Wires **Torque** Weight Mounting Bearings Shaft Diameter

Axial Shaft Bearing Load Capacity Radial Shaft Bearing Load Capability

Housing Material

+/- 60°

+5 VDC (4.0 to 5.5) 0.050 V/° (@ 5.0 Volts input)

+/- 3VDC (@ ±60°)

14 mA 5 mA

<1 Ohms 25 Hz @ -3dB

+/- 0.25% of full scale output 0.1% of full scale output maximum -67°F to 250°F (-55°C to 125°C) -13°F to 185°F (-25°C to 85°C)

+/-0.02%/F° (0.04% °C)

26 AWG, PVC jacket, 3-4 wire, minimum 12" long

0.12 in-oz 2.47 oz

Size 15 servo or flange mount BU-ORD

Matched and Preloaded ABEC 3

3/16 in (4.76 mm) 10 lbs (4.54 kg) 10 lbs (4.54 kg) Aluminum

RVIT 15-120i

0 to 120°

10-28 VDC (not to exceed 30)

0.133 mA/°

+1 to +5 VDC (with 250 Ohm load)

41 mA 4-20 mA <250 Ohms

25 Hz @ -3 dB +/- 0.25% of full scale output 0.1% of full scale output maximum -67°F to 250°F (-55°C to 125°C) -13°F to 185°F (-25°C to 85°C)

+/-0.02%/F° (0.04%°C)

26 AWG, PVC jacket, 3-4 wire, minimum 12" long

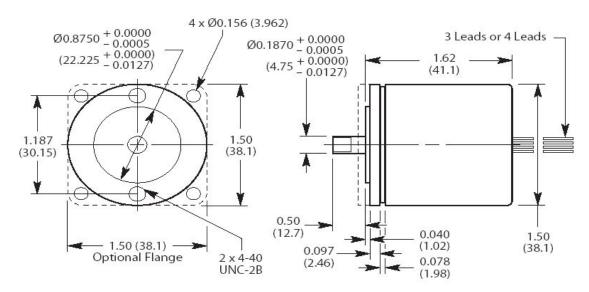
0.12 in-oz 2.47 oz

Size 15 servo or flange mount BU-ORD

Matched and Preloaded ABEC 3

3/16 in (4.76 mm) 10 lbs (4.54 kg) 10 lbs (4.54 kg) Aluminum

dimensions



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ordering information

Specify by Model Number

R-Flex coupler available separately

Model Number Size Range **RVIT 15-60** 15 ± 60° RVIT 15-120i 15 0 to 120°



Model RVITD Rev 1

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