

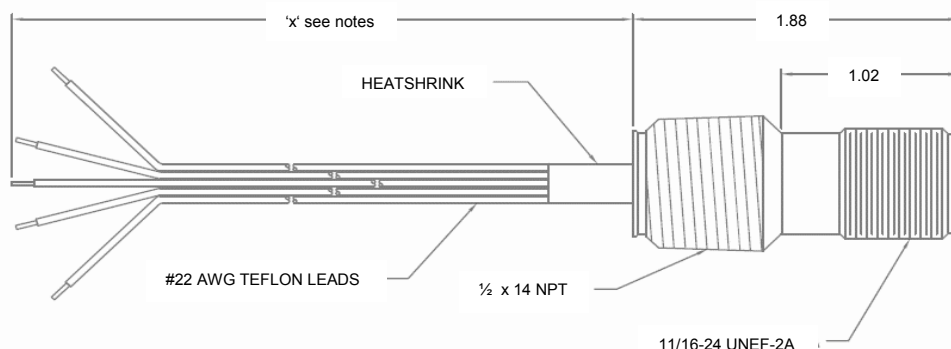
## PRODUCT DESCRIPTION

TrigasDM RF pickups are based on the modulated carrier principle for Near Zero Speed performance with no Magnetic Drag, resulting in extended flow range performance. RF sensors produce modulation of a carrier signal whose frequency is identical to the frequency of the excitation due to a passing target (turbine flowmeter rotor).

The movement of the rotor in the turbine is received by the pickoff. Every movement of the blade is an incoming pulse. This is forwarded as a frequency to the electronics. The electronic converts the measured physical quantity (rotor movement) into a linearized analog electrical and frequency signal for computing and/or further processing.

An internal temperature probe (RTD100) is positioned near the face of the sensor.

| COLOR | WIRE DISCRIPTION         |
|-------|--------------------------|
| WHT   | RF OUTPUT                |
| BLK   | RF OUTPUT                |
| RED   | RTD                      |
| BLK   | RTD (Measure BLK to RED) |
| BLK   | RTD (Measure BLK to RED) |



## PRODUCT SPECIFICATIONS

**DC-Coil Resistance:**  $10.5\Omega \pm 10\%$

**Inductance:**  $1\text{mH} \pm 10\%$

**I.R Leakage:**  $100\text{M}\Omega @ 1000\text{VDC}$

**Operating Freq.:**  $\geq 0.5$  to  $\leq 6000$  Hz

**Temperature Sensor:** PT100 - RTD (3 Wire)

**Temperature Range:**  $-74^{\circ}\text{C}$  to  $+204^{\circ}\text{C}$

**Cable Length 'x':** appr.20cm

**Connectors:** flying leads

**Construction:** 300 Series Stainless Steel Solid Epoxy Encapsulation

**Sensor Face:** Epoxy sealed face, Open front construction

**CE-Compliance:** EN55011, EN50022-2