

# RaceGrade

<b>Document Number</b>		RG_SPEC_0040	
<b>Title</b>		RaceGrade APT-G3-DTM Pressure Transducer	
<b>Revision</b>	<b>Date</b>	<b>Prepared By</b>	<b>Change History</b>
1.1	7/23/15	Hannah Westbrook	Initial release

## Introduction

This APT-G3-DTM Pressure Transducer produces a DC voltage proportional to the pressure reading. It provides accurate and repeatable sensor readings by accounting for the effects of temperature, hysteresis and non-linearity. Featuring a wetted stainless steel design, it is compatible with all fluids and is hermetically sealed with an IP 67 ingress rating. It comes with a 3/8-24 UNJF3A (-3AN) as the pressure port, and a 3 pin DTM connector. Multiple pressure ranges are available.

<b>Part #</b>	<b>Range**</b>
M APT G3 DTM 60A	0.0 to 60 PSI Absolute
M APT G3 DTM100A	0.0 to 100 PSI Absolute

## Calibration:

\*Can only be wired in AV input

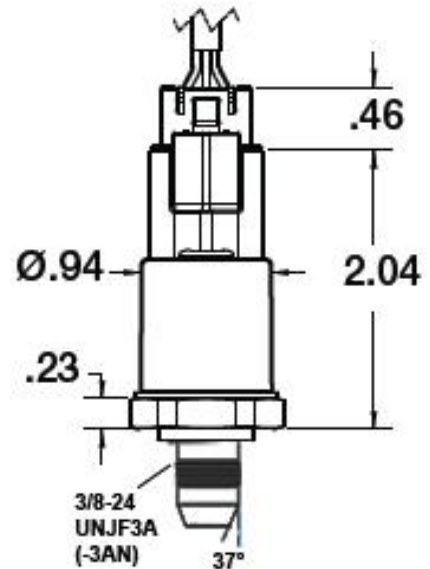
0.5v = Full scale minimum PSI

4.5v = Full scale maximum PSI



## Specifications:

- Fitting: 3/8-24UNJF3A(-3AN)
- Output: 0.5 to 4.5 Vdc
- Supply: 5 +/- 0.5 Vdc
- Current: < 4 mA
- Temperature Range: -40°C to 125°C
- Total Error: 1.0 % of F.S. Pres
- Proof Pressure: 2 x F.S Pres
- Burst Pressure: 5 X F.S. Pres
- Response time : < 1 ms
- Main Seal: Wetted Stainless
- Weight: 46 grams
- Random Vibration : 20g



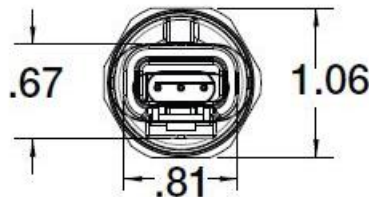
## Connection:

Mating connector: DTM-3SK\*\*

pin 1 – 5v

pin 2 – 0v

pin 3 – signal



Note: Sensor should be mounted remotely to avoid engine vibration damage.

\*\*Contact RaceGrade for information on other termination and range options\*\*