

## WEATHER STATION

### Analog Sensor

For best results, follow instructions regarding product installation, calibrations, and wiring. Improper installation may result in poor performance. Any modifications made to the sensor, as supplied, and/or failure to wire as outlined, may result in permanent damage of the product and will void any warranty.

### Design Features

- +5 Volt Input
- 0-5 Volt outputs
- High Precision Sensing
- Low Power Consumption
- (Pigtail and Hardware included)

### Installation Orientation

There are multiple orientations the sensor can be mounted. Follow the guidelines below:

- Away from high heat zones
- Away from harsh chemicals
- Out of direct sunlight and rainfall
- As close to undisturbed environmental air as possible

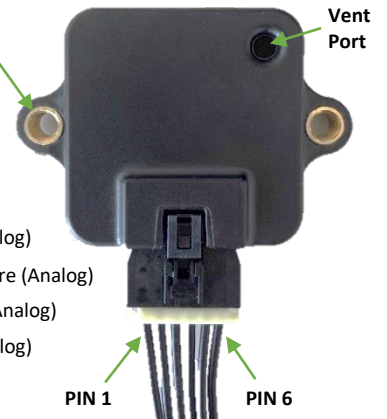
## Mounting & Wiring

- 1 | Ensure power in the vehicle is off
- 2 | Strip ¼" of the wire insulation away on pigtail (20awg supplied)
- 3 | Strip ¼" of the wire insulation away on vehicle wires
- 4 | Use proper size crimp style splice connector to join wires and protect splice with heat shrink
- 5 | Push Molex connector into weather sensor until latching occurs
- 6 | For mounting, use supplied #10-32 hardware OR use #6 or #8 hardware to go through sensor mount holes
- 7 | Once sensor is tightened, secure the wiring harness to body or rollbar mount between 1.5"-2.0" away from sensor using a zip tie

**\*\*\* FAILURE TO FOLLOW THE STEPS ABOVE MAY RESULT IN POOR PERFORMANCE OR PERMINANT DAMAGE \*\*\***

Mount Hole (2x): 10-32

- Pin 1 | 5V Sensor Power
- Pin 2 | Sensor Ground
- Pin 3 | Temperature (Analog)
- Pin 4 | Barometric Pressure (Analog)
- Pin 5 | Density Altitude (Analog)
- Pin 6 | Water Grains (Analog)



## Calibration Table

		0 Volt	5 Volt	Unit
Temperature	PIN 3	0	150	[F]
Barometric Pressure	PIN 4	16	32	[inHg]
	OR PIN 4	54.2	108.4	[KPa]
Density Altitude	PIN 5	-3,000	12,000	[ft]
Water Grains	PIN 6	0	150	[GPP]