

# AP-1 Aero Pressure Sensor



## FEATURES

- Aluminum / Carbon Fiber
- CAN Bus Output
- 6-18V Operation
- 16 Bit Resolution
- Factory Calibrated
- Remote Zeroing
- 16 Individual Sensors

## APPLICATIONS

- Race Vehicle Testing
- Wind Tunnel Aero Testing
- HVAC Testing
- Pitot/Kiel Probe Testing
- Flow Studies

## RELATED PRODUCTS

Techmor offers many sensors including:

- Temperature
- Pressure
- Load
- Torque

## ADDITIONAL INFORMATION

More information can be found at:  
[www.techmor.com](http://www.techmor.com)

## Product Highlights

The Techmor AP-1 differential pressure sensor provides a compact solution for 16 channel pressure tap monitoring. The unit features aluminum and carbon fiber construction, remote reference calibration and CAN bus output. Small size, lightweight, and easy panel mounting make the AP-1 a great choice for test conditions where space and weight are critical. AP-1 Settings can be controlled via CAN, including CAN ID, message rate, and output zeroing.

## Technical Specifications

Electrical		
Power	6 to 18	volts
Current	100	mA

Mechanical	
Dimensions	5.14 in x .95 in x 0.53 in (130.5 mm x 24.1 mm x 13.5 mm)
Operational Temp.	0C to 65C temperature compensated
Pressure Range	+/- 1.4 psi
Weight	90 grams
Fitting Size	Barbed for 1/16" Hose
Burst Pressure	12 psi

Communications	
CAN ID	0x021 to 0x026 (dec 33 to dec 38) (default)
CAN Baudrate	1Mbit/s (default)
Message Rate	20 Samples/s (default)
Message Bits	(3) unsigned 16-bit words per ID
Message(psi)	Press (psi) = (counts * 0.0001) - 3.2768 psi

Wiring		
Power +	Pin 1	Red
CAN High	Pin 2	Blue
No Connection	Pin 3	
CAN Low	Pin 4	White
Ground	Pin 5	Black

Note: Does not contain a CAN termination resistor inside

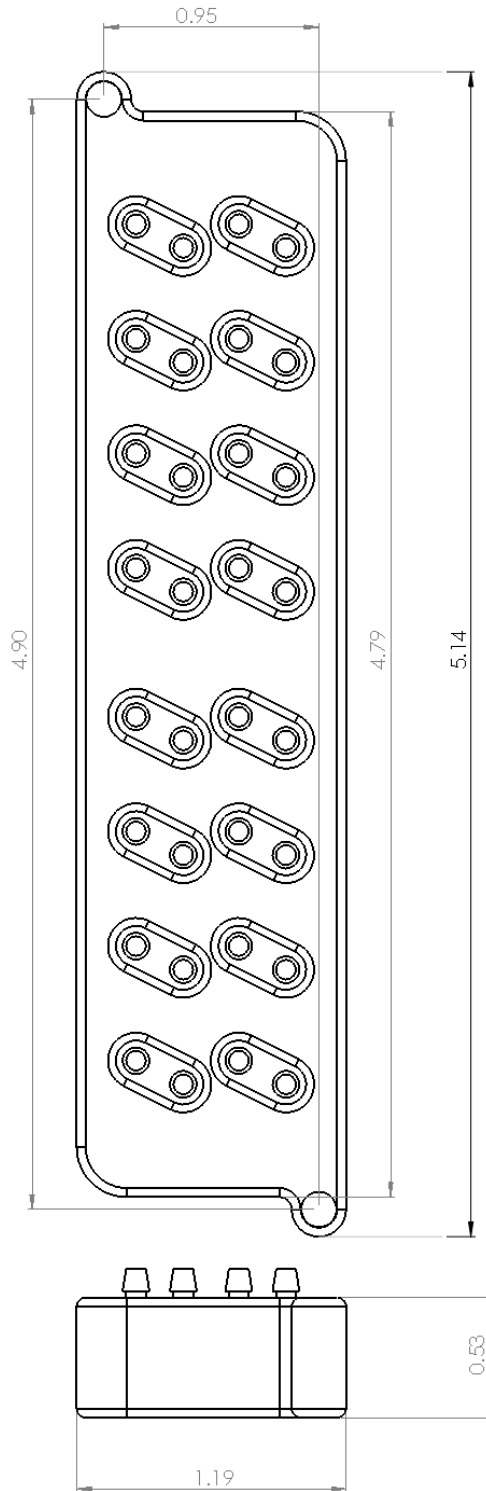
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**DIMENSIONS (inches)**



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