



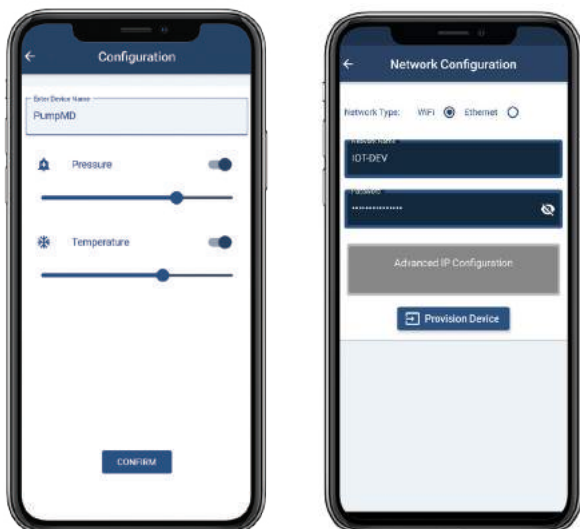


GETTING YOUR PUMPMD CONNECTED

THE POWER OF OUR IoT ASSIST.





The IoT Assist is our device setup tool that overcomes the complexities of connectivity and configuration.

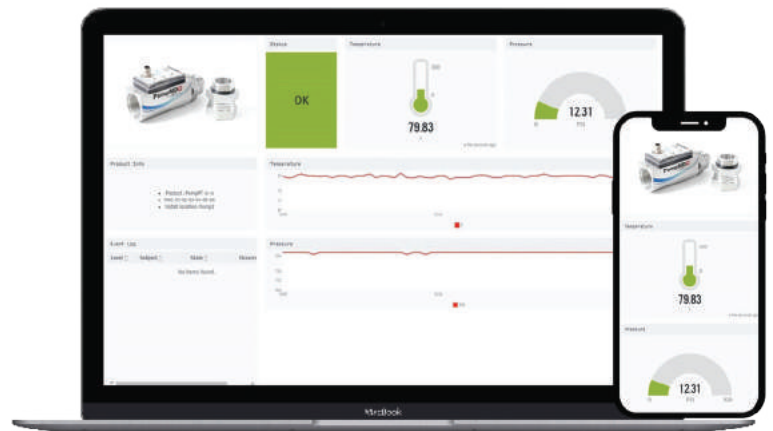
-  **FREE DOWNLOAD**
Available to download on Apple Store and Android Market.
-  **SET ALARM THRESHOLD PARAMETERS**
Set the pressure and temperature alarm to receive a notification when exceeded via email or SMS.
-  **QUICKLY CONFIGURE TO NETWORK**
Input Wi-Fi network credentials to get device on the network.
-  **GET DEVICES INTO IOT DATA EXPERIENCE**
Automatically puts PumpMD into your specific IoT data experience dashboard for remote monitoring.



THE POWER OF OUR IoT DATA EXPERIENCE.

Our IoT Data Experience unlocks real-time, secure remote monitoring, and predictive analytics for your products. It's the gasoline for your machine learning engine. Easily manage your service online. Free for first year. \$120/year/device after.

-  **REAL-TIME DATA**
See up-to-the minute performance data from any device, anywhere in the world.
-  **NOTIFICATIONS**
The ability to set notifications when assets are operating out of spec.
-  **DATA STORAGE & SECURITY**
Review up to 6 months of historical trending data, and assurance that devices are receiving latest security and performance updates.
-  **COMMISSIONING & SCALING**
Simplified experience for bringing new sensing capabilities online.



PUMPMD TECHNICAL DATA

Power	
Supply Voltage	12 - 24VDC M12 5pin
Current Consumption	Max: 250mA

Wireless	
Radio	Wi-Fi 802.11 b/g/n Wi-Fi channel 2.4GHz
Antenna	Built-in Range: 20-30 ft.
Security	WPA/WPA2/WPA2-Enterprise
Net Data Throughput	Up to 150Mbps of data rate
RF Output Power	Up to 20.5dBm
Sensitivity	-98dBm

Environmental	
Storage Temperature	0-175 °F
Operating Temperature	0-175 °F
Operating Pressure	0-100 PSI
Fluid Type	Mineral Based Hydraulic Fluids
Materials Used	Aluminum 6061 - T6 & Polycarbonate

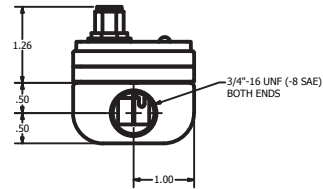
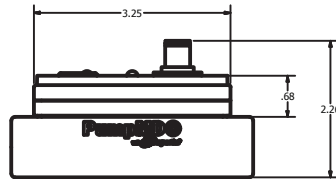
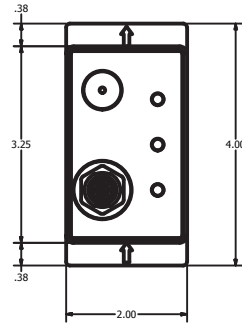
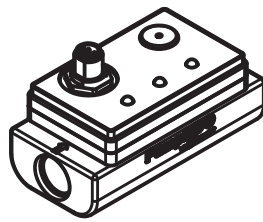
Measurements		
MEASUREMENTS	PRESSURE	TEMPERATURE
Calibrated Range	0-50 PSI	100-175 °F
Accuracy of Calibrated Range	1.25%	+/- 2.5 °F
Analog 0-10V Scale*	-12.5 to 112.5 PSI	-21.875 to 196.875 °F
*Signal below 1V rounds to 0V and above 9V rounds to 10V		

Technology	
Sample Rate	Pressure: 10bit @ 1Hz Temp: 10bit @ 2Hz
Data Push (To Web App)	Once every minute (pressure, temperature)
Information Security	HTTPS TLS v1.2 encryption
Networking	Unique MAC address
Software Updates	Over-the-air (OTA) firmware updates
M12 Pin-Outs	Brown - Pin1/Supply in 24VDC White - Pin2/Analog Out - 0-10VDC (Temp) Blue - Pin3/Supply 0VDC Grey - Pin5/Analog Out - 0-10VDC (Pressure)

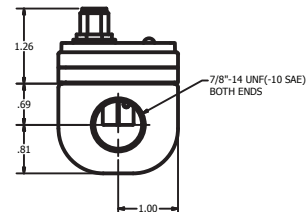
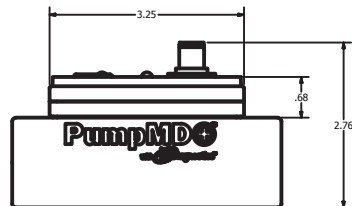
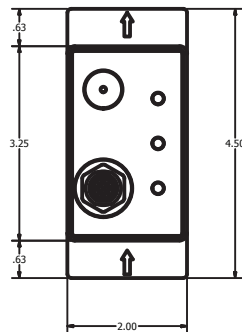
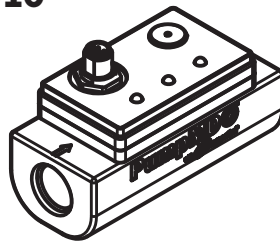
Dimensions					
Threaded Ports (UNF)	3/4"-16	7/8"-14	1-1/16"-12	1-5/16"-12	1-5/8"-12
Aluminum Body	L: 4" W: 2" H: 1"	L: 4.5" W: 2" H: 1.5"	L: 4.5" W: 2" H: 1.5"	L: 4.5" W: 2" H: 2"	L: 4.5" W: 2" H: 2"
Connector	M12 5pin male	M12 5pin male	M12 5pin male	M12 5pin male	M12 5pin male

PUMPMD DIMENSIONAL DRAWINGS
 UNITS: INCHES

SAE #8

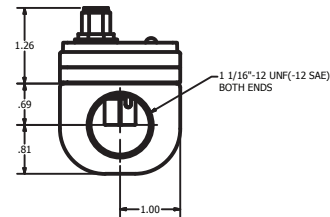
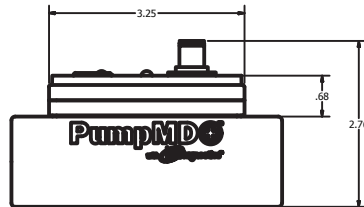
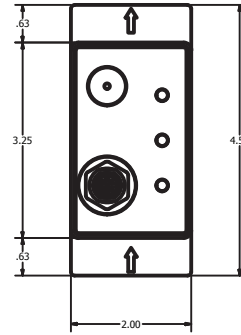
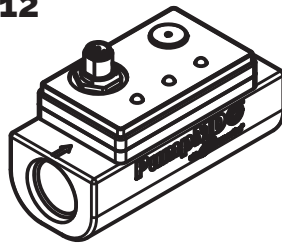


SAE #10

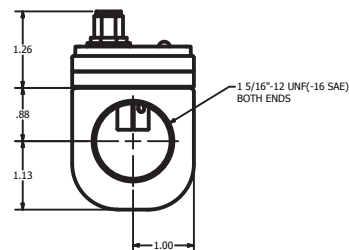
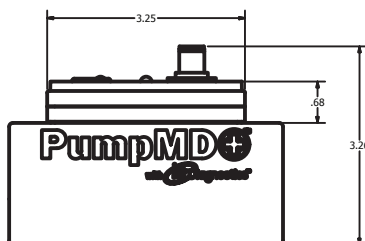
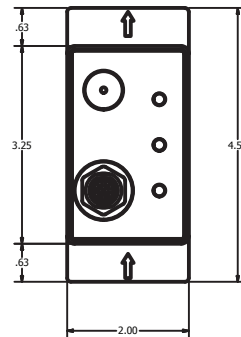
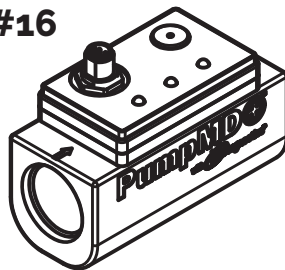


PUMPMD DIMENSIONAL DRAWINGS
 UNITS: INCHES

SAE #12



SAE #16



PUMPMD DIMENSIONAL DRAWINGS
 UNITS: INCHES

SAE #20

