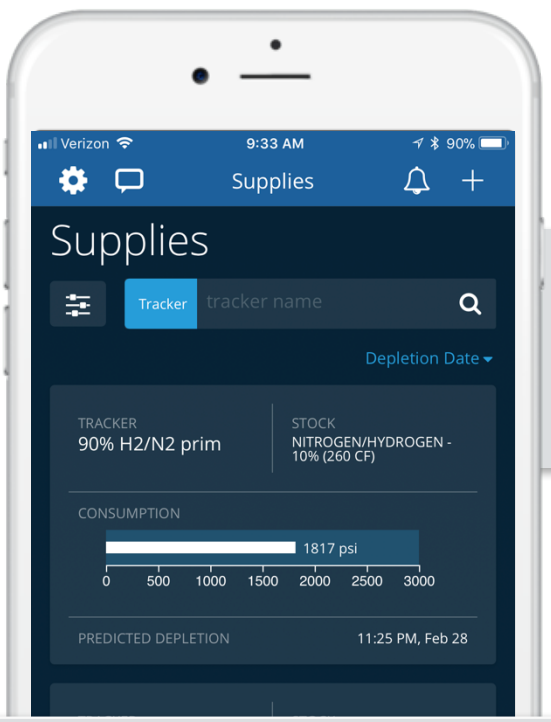
Pulsa

Never run out

www.pulsasensors.com

Product Summary

For businesses that use or supply gas, Pulsa's gas sensor system makes sure you or your customers never run out with low cost, out-of-the-box implementation, and lasting reliability.



1. Wireless and battery operated sensors work out of the box

2. Alerts notify you when to change tanks or reorder

3. Inventory is always at your fingertips anytime, anywhere

End User Benefits

- Easy, out-of-the-box set up
- Consumption-based notifications to change or reorder supply
- Real-time data always at your fingertips
- Easy inventory reconciliation against deliveries
- Visibility to consumption allocation by projects or customers
- Manages for usage optimization
- Cost savings in labor hours, operating overhead, stockouts, delays, waste reduction, human errors, and excess storage

Supplier Benefits

- Visibility into customers' inventory
- Proactive reorder initiation
- Real-time demand management
- Delivery route planning
- Inventory production planning
- Delivering on better customer service

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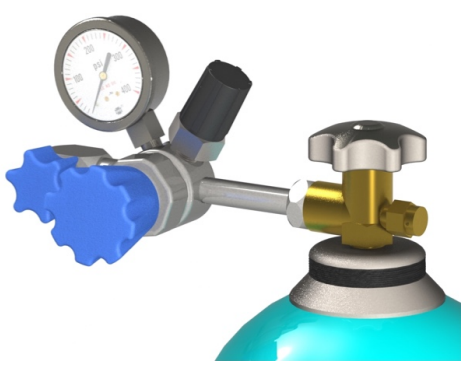
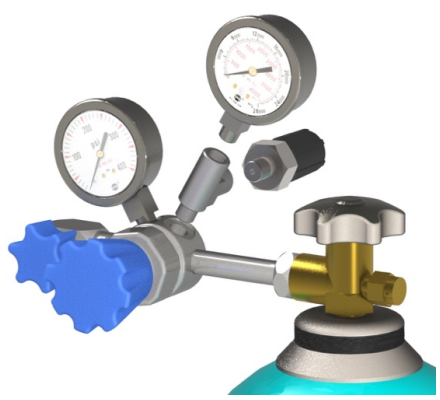
Getting Started: Wireless Pressure Sensor

Pulsa

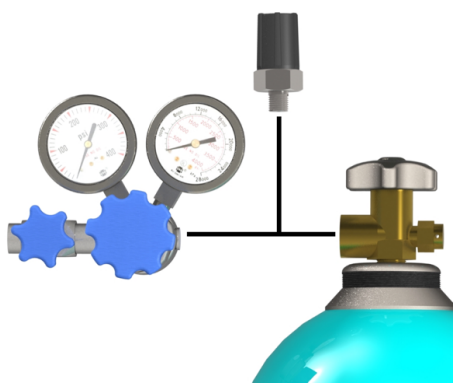
1 Install pressure sensor upstream of the regulator



Upstream regulator port



Upstream regulator port with T-Fitting

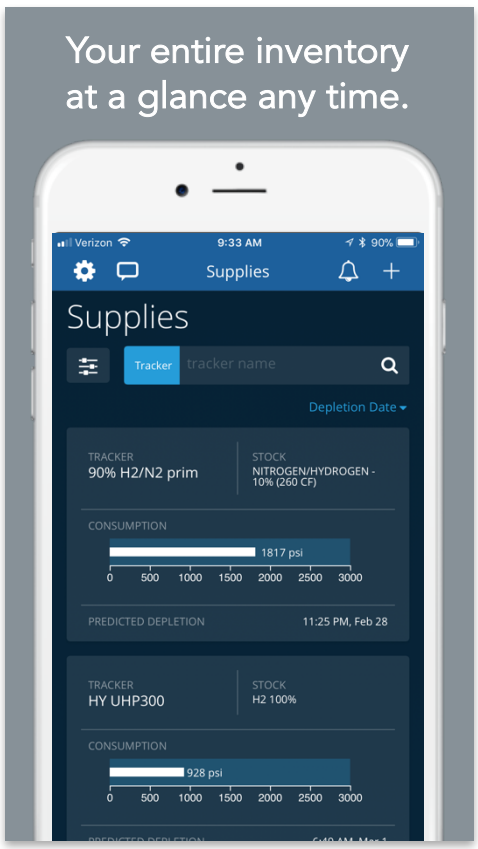


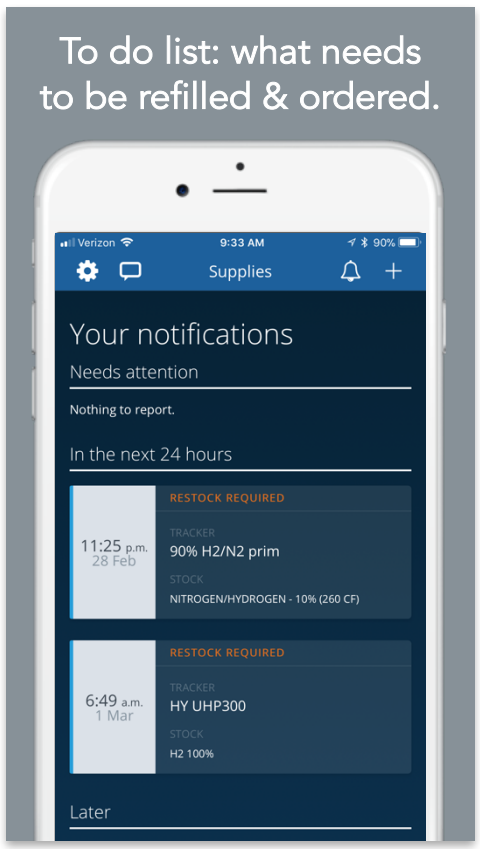
Between regulator and cylinder

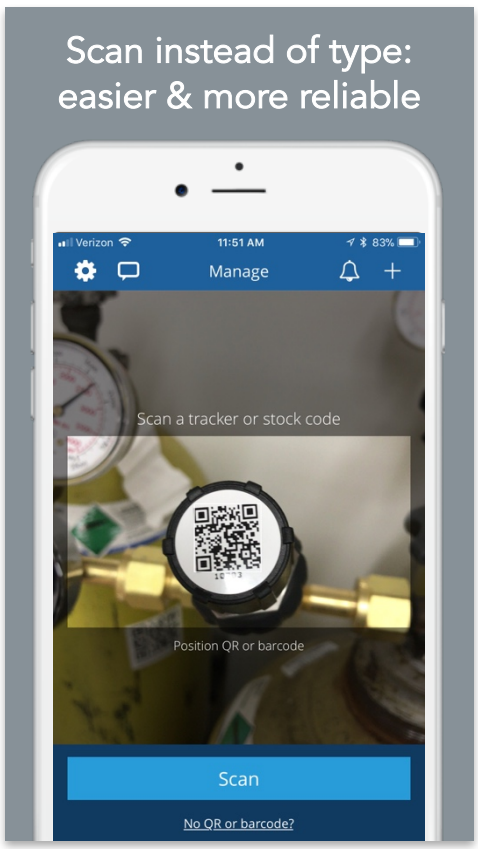
2 Download **Pulsa** mobile app for iOS or Android

3 Plug-in gateway and follow set up instructions in mobile app

4 Follow sensor and cylinder set up instructions in mobile app







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PULSA PG001 Wireless Pressure Sensor Data Sheet

The PULSA PG001 wireless pressure transducer is an industrial grade, high accuracy sensor that monitors gas and liquid pressures. The measurement values from the transducer are broadcast wirelessly to the PULSA Gateway or to a mobile device with the Pulsa App (iOS, Android) installed.

Applications:

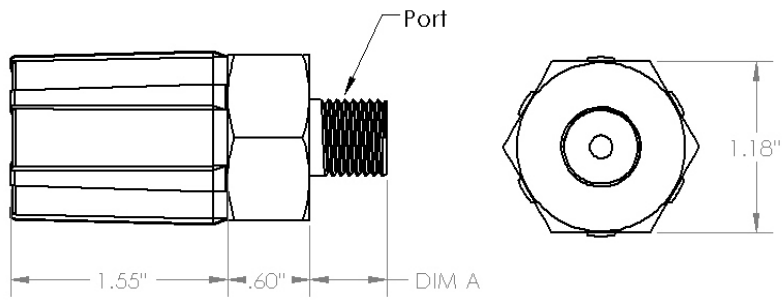
- Gas cylinders: Monitor levels of gas cylinders, receive notifications when to change, automate reorders
- Liquid tanks: Monitor liquid tank levels by installing at bottom of tank
- Near Real-Time Pressure Sensor

Performance Details

Item	Typical	Max	Units
Pressure range[2]	0	2900	PSI
Pressure accuracy	±0.25		%FS
Linearity	±0.15	±0.25	%FS
Repeatability	±0.05	±0.075	%FS
Hysteresis	±0.05	±0.075	%FS
Thermal error	±0.75	±1.0	%FS
Stability	±0.2	±0.3	%FS/year
Shock	100g, 11ms		
Vibration	No change at 10g RMS (20-2000 Hz)		
Compensated temp. range	-10 to 80		°C
Operating temperature	-20 to 85		°C
Proof pressure		1.5X	
Input voltage	3	3.3	VDC
Battery life[3]	5	7	Years
Battery	Replaceable CR2032		
Low battery warning	Yes, app notification		
Wetted materials	316 stainless steel & viton		
Enclosure	Stainless steel & polycarbonate		
Signal Transmission Dist.	150	350	feet
Mobile device relay	iOS or Android		
Gateway connectivity	WiFi or Cellular		

Notes:
1. Unless otherwise noted, values are at 25°C
2. Additional pressure ranges available – call us
3. Battery life is based on 2 measurements every 3 minutes

Dimensions



Code	Port	DIM A
1	¼" NPT	0.55"

*Additional port sizes available – call us

Use Instructions

1. Install pressure sensor in port
2. Plug gateway into power source
3. Download **Pulsa** iOS or Android app
4. Follow sensor and cylinder set up in app

Certifications

FC	FCC	Granted
CE	CE	Granted
CLASSIFIED UL	UL	HazLoc Pending
IC	IC	Granted

RoHS

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