

SensoNODE™ for Accumulators

Long-Range Wireless Sensors for Measuring Pre-Charge



Protect Your System From Costly Downtime.

Pre-charge loss can cause damage that negatively impacts your production and, ultimately, your bottom line. Parker SensoNODE™ for Accumulators features Bluetooth® sensors specifically designed to provide simple solutions for measuring gas pre-charge on bladder and piston style accumulators. Compact, energy efficient and wireless, these sensors enable hands-off pre-charge pressure and temperature measurement to prevent downtime. Parker also keeps application engineers and technical support staff on hand to make sure you get it right.



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Product Features:

- Pressure-relieving thread that improves safety by slowly releasing trapped gas pressure upon disassembly (sensor and forged adapters)
- Easy Bluetooth connection
- Customized module within SCOUT™ mobile app software
- Consistent, accurate pressure and temperature readings
- Connected mode for data collection and analysis
- Broadcast mode for access to any user within range
- No external power supply needed
- LED indicator for sensor status
- Uniquely identifiable sensors for association with assets/processes
- Optional EMA3 Connect Under Pressure version
- Battery life of beyond one year depending on scan/transmission rates



ENGINEERING YOUR SUCCESS.

Experience Superior Productivity and Ease of Use.

SensoNODE for Accumulators is a flexible sensor solution with two options available to meet your requirements. Both designs include an adapter and a poppet-style charge valve for quick, easy installation on any -5 SAE O-ring boss gas side ported accumulator. The SCOUT mobile software app can be downloaded for free on any smart device. All to put reliable pre-charge measurements at your fingertips.



SensoNODE Standard Parker Accumulator Connection

This option features a compact design to fit seamlessly into your production. It provides fewer leak points and accurate pre-charge measurement.

Part Number	Assembly Rating	Sensor	Sensor Rating
8738770250	3,600 PSI	SNPT2-250-B-4MO-ACD	3,625 PSI
8738770400	5,000 PSI	SNPT2-400-B-4MO-ACD	5,800 PSI



SensoNODE EMA Disconnect Under Pressure Option

Utilizing an industry standard Parker EMA3 connection, this option allows for connection or removal of a sensor for servicing or for using in multiple applications. The EMA3 utilizes a knurled sleeve with simple twist-to-connect operation.

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8738780250	3,600 PSI	SNPT2-250-B-4MO-ACD	3,625 PSI
8738780400	5,000 PSI	SNPT2-400-B-4MO-ACD	5,800 PSI

Sensor Technical Data	
Housing Material	Polycarbonate
Port	-4 SAE
Wetted Parts Material	17-4 Stainless and Nitrile
Burst Pressure	4x
Measurement and Broadcast Interval	User Selectable
Accuracy (at 77°F/25°C)	1.5%
Resolution	1 psi
Response Time	1 sec
Full-Range Life Cycles	> 1 million
Battery (Panasonic is Recommended Brand)	CR123A
IP Rating	IP65
Ambient Temperature (Battery Limited)	-4°F to 158°F (-20°C to 70°C)
Fluid Media Temperature Range	-40°F to 185°F (-40°C to 85°C)
Certifications	FCC, IC, CE

