

# SensoNODE™ Gold Flow Wireless Kit



## Hydraulic Flow Rate Monitoring

In hydraulic fluid applications, flow is a critical component of the process by regulating speed and determining the rate of energy transfer at any given pressure. An incomplete hydraulic flow rate can affect control and performance that's detrimental to the entire system. A continuous condition monitoring solution takes the guesswork out of knowing hydraulic flow with real-time measurements to making confident decisions.

Parker's **SensoNODE Gold Wireless Flow Kit and Voice of the Machine™ Cloud Software** provide wireless monitoring of hydraulic flow rates and ensure thresholds are not exceeded with customizable alerts, and status updates.

- Record and monitor hydraulic flow in real time
- Eliminate the need for communication cabling with remote monitoring
- Administer reverse flow and turbine-based measurements
- Low flow resistance
- Measurement range 4-210 GPM

## What's Included:



Analog Transmitter



Flow Turbine



Mating Cable



Power Lead



Power Supply

## Contact Information:

Parker Hannifin Corporation  
**Quick Coupling Division**  
8145 Lewis Road, Minneapolis, MN 55427

(763)-544-7781  
[Parker.com/ConditionMonitoring](http://Parker.com/ConditionMonitoring)



# SensoNODE™ Gold Flow Wireless Kit

Kit Technical Data <sup>1</sup>						
SNCFT2-KIT-	004	016	040	080	160	210
Flow measuring range Qn [gpm (l/min)]	0.25 to 4 (1 to 15)	0.8 to 16 (3 to 60)	1.3 to 40 (5 to 150)	2 to 80 (8 to 300)	4 to 160 (15 to 600)	5 to 210 (20 to 800)
Accuracy (±%) FS/IR @ 21cSt.	± 1 % FS	± 1 % IR	± 1 % IR	± 1 % IR	± 1 % IR	± 1 % IR
Operating Pressure Pn [psi (bar)]	5000 (350)	5000 (350)	5000 (350)	5000 (350)	4200 (290)	5800 (400)
Ports (A-B)	3/4"-16UN #8 SAE ORB	1-1/16"-12UN #12 SAE ORB	1-1/16"-UN #12 SAE ORB	1-5/16"-12UN #16 SAE ORB	1-5/8"-12UN #20 SAE ORB	1-7/8"-12UN #24 SAE ORB
Pressure Drop ΔP [psi (bar)] @ (FS)	21 (1.5)	21 (1.5)	21 (1.5)	58 (4)	58 (4)	72 (5)
Weight [lbs (g)]	1.5 (700)	3.5 (1600)	3.5 (1600)	3.7 (1700)	6 (2700)	11 (5000)

Flow Turbine Technical Data <sup>1</sup>	
Accuracy	
Response time	50 ms
Thermal drift	±0.05 % FS/°C
Repeat accuracy	±0.5 % FS
Resistance to pressure	
Qmax (gpm)	Qn × 1.1
Overload pressure Pmax	Pn × 1.2
Material	
Flow Turbine Housing	Aluminum
Seal	FKM
Wetted Path	Aluminum, steel, FKM
Ambient Conditions	
Ambient temperature	+50 to +122°F
Storage temperature	-4 to +176°F
Tmax Fluid	-4 to +176°F
Filtration	25 μm (10 μm for SNCFT2-004)
Viscosity	15 to 100 cSt.
Protection Class	IP66

Transmitter Technical Data <sup>2</sup>	
Base Material	Aluminum
Housing Material	Polycarbonate
Accuracy	0.5% (additive to source)
Resolution	0.1%
Ambient temperature (battery limited)	-4 to +158°F
Radio Certifications	FCC, IC, CE
Battery [Panasonic is recommended]	CR123A
IP Rating (Transmitter only)	IP65

<sup>1</sup>Consult Parker Catalog 4083 for additional flow block details & data

<sup>2</sup>Consult Analog Transmitter portion of Parker Catalog 3864 for additional details

## Flying Lead Wire Diagram for Flow Kit (SCK-400-02-45)

PIN	Connection	Wire Color
1	V Supply	Brown
2	No Connection	White
3	0 V/GND	Blue
4	No Connection	Black
5	No Connection	Gray

