SensoNODE™ Gold

Flow Wireless Kit

Features:

- Enables remote wireless monitoring of hydraulic flow
- Integrates seamlessly with Voice of the Machine software
- Eliminates necessity for communication cabling
- Turbine based measurement
- Measurement range 4 to 210 gpm
- Low flow resistance
- Capable of reverse flow measurement

Kit Technical Data[1]						
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[1]	
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[3]	
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

[1]Consult Parker Catalog 4083 for additional flow block details & data
[2]Consult Analog Transmitter portion of Parker Catalog 3864 for additional details

How to Order:

SN CFT 2 - KIT - 004 - 2

- SN CFT: SensoNODE Series
- 2: Generation II
- KIT: SensoControl Flowblock
- 004: **Flow Rating:** 004: 4 gpm; 016: 16 gpm; 040: 40 gpm; 080: 80 gpm; 160: 160 gpm; 210: 210 gpm
- 2: Wireless Signal — 2: 900 MHz [FCC/IC]; 3: 868 MHz [CE]

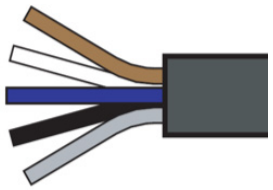
Consult Analog Transmitter portion of Parker Catalog 3864 for additional details

Parker Hannifin Corporation
Quick Coupling Division
Minneapolis, MN
parker.com/conditionmonitoring

Technical Data	
	**Analog Transmitter (SN322-x)** The transmitter wirelessly communicates the analog signal output from the flow turbine to the gateway receiver for monitoring the condition of common hydraulic systems.
	**Flow Turbine (SCFT-xxx-02-02-UNF)** The turbine wheel is driven by the oil flow. The generated frequencies are processed through the digital electronics and influences from the disturbing flow effects are compensated for. Because of the low flow resistance Q_R, the hydraulic circuit operates with very low losses. Reverse operation is also possible because the special vane (winged) design – so the turbine can be operated in both directions. The turbine casing also includes two plugged 7/16-20UN SAE ORB ports to add additional wireless pressure or temperature sensors directly in the oil flow. Please contact division for more detail.
	**Mating Cable (SCK-WH-02-45-01)** This connection cable (2 meter length) is uniquely designed to connect the analog signals from the flow turbine to the wireless transmitter while also allowing the supply of sufficient voltage needed to power the flow block.
	**Power Lead (SCK-400-02-45)** Connect this cable (2 meter length) via M12 plug to the mating cable to supply voltage to the system. An 18 to 30Vdc supply is required, and can be provided via flying leads from the factory DC power or the included 24Vdc power supply within kit.
	**Power Supply (SCSN-240)** Provided as an easy solution to supply the appropriate voltage to the wireless kit system. Connect the appropriate power leads to corresponding terminals of power supply. Input Voltage: 90~264 VAC Output Voltage: 24Vdc

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



WARNING The products listed can expose you to chemicals including Lead, which is known to the State of California to cause cancer, and to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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