



LOW POWER SENSORS

Quality online instruments



RANGE

- Pressure
- Level
- Flow velocity
- Basic water - pH, ORP, EC, TDS, DO, Turbidity, Salinity, SS, colour
- Nutrients - NO3, NH4-N, TN
- Organic pollutants - PAH, COD, TOC, BOD, CDOM/fDom
- Algae - Chlorophyll a, BGA, transparency
- Disinfection - free chlorine
- Weather - rainfall


APPLICATIONS

- Stormwater drainage
- Municipal water
- Wastewater
- Industrial water, commercial water,
- Medical water,
- Surface water,
- Groundwater,
- Agriculture,
- Fishery...


FEATURES

- Ultra low power consumption
- Battery powered
- Rugged & all-weather
- Plug-&-play sensors
- Accurate
- Reliable
- Low maintenance

CONTACT

 31 Kersieboom Crescent
Zwartkop, Centurion
South Africa

 www.sse.co.za

 sales@sse.co.za
orders@sse.co.za

 +27 12 663 4331



SMR01 PRESSURE SENSOR



Parameter		
Measurement range	SMR01-3 SMR01-5	1 ~10 Kgf/cm ² 1 ~20 Kgf/cm ²
Accuracy	± 0.25% FS; ±0.1% FS (optional)	
Resolution	0.01% FS	
Repeatability	± 0.025% FS	
Stability	0.1% FS	
Safety load	3 x measurement range	
Rupture	>4 x measurement range	
Operating temp.	0 ~60 °C	
Response time	1 sec	
Temp sensor	Pt1000	
Temp measurement range	0 ~60 °C	
Temp accuracy	±0.5 °C; ±0.1 °C (optional)	
Protection	IP68	
Housing sensor	SS316L	
Dimension	Φ24 X 139 mm	
Weight	transmitter : approx. 200 g (SS316L), cable: 80g/m	

FEATURES

- Output : RS485 (Modbus RTU protocol), 19,200 bps,
- 8 data bits, no parity, 1 stop bit; 4~20 mA (optional)
- Data Resolution: 16 bits (0.001% FS)
- Surge Protection: 4000 VDC
- Power: 12 VDC, 5 mA
- Protection: polarity, overload, short circuit
- All-in-One Compact Endosure
- IP68 rating
- Plug & Play
- On-line realtime measurement
- Ultra low power consumption
- 1500 N Tensile Strength Kevlar Reinforced Cable
- Surge protection for power & RS485 communication
- RS485 digital communication,
- Software configuration, calibration & data monitoring
- Modbus RTU
- Onboard memory to calibrate & configure
- Software tool for data monitoring, calibration , configuration & diagnosis
- Safety: CE, FCC

APPLICATIONS

- Drinking water
- Stormwater groundwater
- Industry
- Water treatment
- Wastewater
- Gas petrochemical



SMR02 LEVEL SENSOR



Parameter		
Measurement range	SMR02-1 SMR02-2 SMR02-3 SMR02-4	0 ~10 m 0 ~50 m 0 ~100 m 0 ~3 m
Accuracy	± 0.1% FS; ±0.05% FS (optional)	
Resolution	0.001% FS	
Repeatability	± 0.025% FS	
Stability	0.1% FS	
Overload	3 x measurement range	
Burst	>4 x measurement range	
Operating temp.	0 ~60 °C	
Response time	1 sec	
Temp sensor	Pt1000	
Temp measurement range	0 ~60 °C	
Temp accuracy	±0.5 °C; ±0.1 °C (optional)	
Protection	IP68, <600m	
Housing sensor	SS316L	
Dimension	Φ22X 170 mm	
Housing	transmitter : approx. 200 g (SS316L), cable: 80g/m	

FEATURES

- < ± 0.05% accuracy
- On-line realtime measurement
- Ultra low power consumption
- Temperature Compensation
- No vent tube needed
- 1.2 Km RS485 digital communication
- Software configuration, calibration & data monitoring
- Modbus RTU
- Operation temperature < 125°C
- Robust IP68 water submersible enclosure
- Onboard memory to calibrate & configure sensor

APPLICATIONS

- Drinking water
- Stormwater groundwater
- Industry
- Water treatment
- Wastewater
- Gas petrochemical