

## Inline Sensors & Monitors for emulsion oils - System 20

Part #: STI.1348.100



System 20 monitors, combined with the inline sensor, give the user accurate and instant readings of oil or water flow, pressure and temperature without the need to shut down the system.

[View Series Page](#) [Share / Email](#) [Print](#)

### Technical Specifications

Operating Pressure:	6000 psi, 420 bar	Maximum Fluid Temperature:	110 °C
Weight:	3.5 kg	Minimum Fluid Temperature:	-10 °C
Technology:	Filtration, Hydraulics	Sensing Method:	Differential Pressure
Operating Temperature:	-10 to 110 °C, 14 to 230 °F	Accuracy:	+/- 2.5% FSD
Size:	1	Specifications Met:	CE Certification
Brand:	Parker	Materials of Construction:	Stainless Steel
Flow Rate:	20-100 l/min	Seal Material:	EPDM
Division:	Hydraulic & Industrial Process Filtration Division	Body Material:	Stainless Steel
Industry:	Industrial Manufacturing Equipment	Height:	66.5 mm
For Fluid Type:	Aggressive	Length:	137 mm
Port Size:	1 1/16 - 12 UNF	Width:	41 mm
Product Type:	Condition Monitor	Diameter:	41 mm
Product Style:	Flow Meter	Thread Size:	1 1/16 - 12 UNF
Port Type:	SAE		

[Safety Warning](#)

### Item Information

System 20 monitors, combined with the inline sensor, give the user accurate and instant readings of low, pressure and temperature without the need to shut down the system. Covering a wide range of flow rates, fluid types and applications, Parker's System 20 sensors are designed to be used with System 20 electronic or analogue monitors, contamination monitors and the H2Oil. Specially developed System 20 sensors are available for use with aggressive fluids. (EPDM Seals).

With System 20 inline sensors installed in a hydraulic system, faults can be predicted and remedied, all you have to do is connect the System 20 Electronic Hand Held Monitor (EM20). Designed to display flow, temperature, differential, rising peak and line pressure, System 20 Electronic can also calculate hydraulic power (kW and hp.) at a given point in a system to establish efficiency and power consumption. System 20 electronics versatility does not end there. The EM20 is automatically calibrated for all System 20 inline sensors using water or oil and can display in l/min, US GPM, bar, psi and kg/cm<sup>2</sup>.

For operators of industrial and mobile machinery who recognize the benefits of installing System 20 in a hydraulic system, the System 20 hand-held analogue monitor offers significant advantages, particularly in intrinsically safe applications. Like the System 20 electronic, the analogue monitor is completely portable and can be connected immediately to a purpose-designed inline System 20 sensor but requires no power source. The analogue monitor will then - provide the user with an accurate and repeatable analysis of system flow, pressure and temperature - without having to stop the machine.

- For use with all mineral oils, water and water/oil emulsions.
- Analogue Monitor utilizes 3 Day-Glo dial gauges with a protective hinged cover.
- Calibrated up to 380 l/min with dual scale bar/psi & °C/°F. (US GPM also available)
- EM20 Electronic Monitor gives a full digital display.
- Automatically calibrated for all 3 sizes of sensor.
- Indicates line, differential and rising peak pressure. Easily scrolled from metric to US.
- 300 test memory.
- Capable of downloading saved data to datum.

Hydraulic system users need to ensure that lost production is kept to the absolute minimum. To ensure this, predictive maintenance and therefore routine condition monitoring of major components is essential. System 20 inline sensors remain at the heart of condition and contamination monitoring. Whether you're mining the coal, building the newbypass, harvesting the crops, crossing the oceans or drilling offshore – whatever the industry, System 20 represents the premier system monitoring available today.

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor.

---

## CAD Drawings + Files



---

## Related Documents



**Parker Sales Company UK**

[psc.uk.webform@support.parker.com](mailto:psc.uk.webform@support.parker.com)

[+44 \(0\)1926 317878](tel:+441926317878)

---

+ Company Information

---

+ Global Operations

---

+ Help & Support

---

+ Follow Us :

---

© PARKER HANNIFIN CORP 2023

**ENGINEERING YOUR SUCCESS.**

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)

