

weber flow-captor



flow-captor Type 4204 / 4053.31

The flow-captor type 4204, together with the separate electronic unit type 4053.31, monitors flow as well as temperature of oil-based liquids up to a temperature of 100 °C.

The non-intrusive flow-captor with stainless steel (WN 1.4305) housing and sensing surface, which can be mounted by 3/4 in. NPT male thread in applications for standard pipes with a minimum diameter of 3/4 inch or larger. The flow-captor transmits the pulsed flow signal and the analog temperature signal to the transducer where they are converted into an analog output signal.

The flow-captor operates according to the calorimetric principle, which is unsurpassed by other sensing technologies where the ruggedness and reliability of the flow-captor cannot be matched.

- Easy installation
- Flow and temperature meter for oil-based media
- No moving parts, non-intrusive sensing
- Stainless steel housing and sensing surface
- ISO 9002 certified manufacturing
- CE approval

Sensing-Data

Media	oil based solutions	
Measuring range**	Temperature -20 °C to +100 °C *** -4 F to 212 F ***	Flow 0 to 400 cm/s*** 0 to 13 ft/s***
Analog output	0-10 V	0-10 V
Curve	linear	no linearization

** fixed, no range adjustment
*** related to oil - Shell Diata D

flow-captor

Type 4204 / 4053.31
Remote flow meter

Sensor Data (Type 4204)

Housing	stainless steel, WN 1.4305
Thread	½" NPT
Connection	50 cm silicone armoured cable (max. 100 cm on request)
Connector	5-pin male plug (Cannon)
Temperature of medium	-20 °C to +100 °C (-4 F to 212 F)
Flow measuring range	0-400 cm/s (0 to 13 ft/s) - related to oil - Shell Diata D

Electrical Data (Electronic unit) Type 4053.31

Housing	anodised aluminium
Supply voltage	24 V DC 10%
Power consumption	2 W typical, max. 3 W
Ambient temperature	-20 °C to +70 °C (-4 F to 212 F)
captor-connection	5-pin female socket (Cannon)
Output / supply connection	4 -pin male socket (Cannon)
Output / supply connector	cable, 2 m length *, with one female plug (Cannon)

Sensing Data

Media	oil based solutions	
Measuring range**	Temperature -20 °C to +100 °C *** -4 F to 212 F ***	Flow 0 to 400 cm/s*** 0 to 13 ft/s***
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