

# weber flow-captor



## flow-captor Type 4204 / 4054.31

The flow-captor type 4204, together with the separate electronic unit type 4054.31, monitors flow as well as temperature of water-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 easily mounted by means of the stainless steel 3/4 " thread, transmits the pulsed flow signal and the analog temperature signal to the transducer where they are converted into analog voltage output signals.

The flow-captor functions according to a new calorimetric principle which is uncontended when compared with other measuring technologies, especially mechanical, where the rugged and reliable quality of the flow-captor cannot be attained.

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

### Sensing-Data

Media	water based solutions	
Measuring range**	<b>Temperature</b> -20 °C to +100 °C *** -4 F to 212 F ***	<b>Flow</b> 0 to 100 cm/s*** 0 to 3.3 ft/s***
Analog output	0-10 V	0-10 V
Curve	linear	no linearization

\*\* fixed, no range adjustment  
\*\*\* related to water

# flow-captor

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Remote flow meter

## Sensor Data (Type 4204)

Housing	stainless steel, WN 1.4305
Thread	3/4" BSP
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	0-100 cm/s (0 to 3.3 ft/s) - related to water

## Electrical Data (Electronic unit) Type 4054.31

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	water based solutions	
Measuring range**	<b>Temperature</b> -20 °C to +100 °C *** -4 F to 212 F ***	<b>Flow</b> 0 to 100 cm/s*** 0 to 3.3 ft/s***
Analog output	0-10 V	0-10 V
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