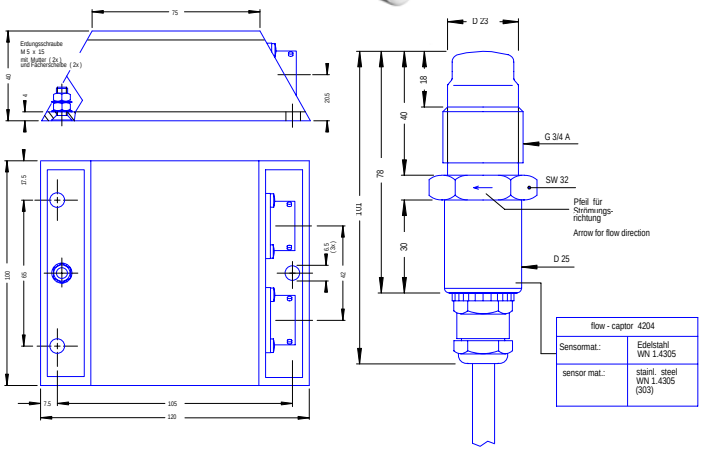
TECHNICAL INFORMATION

flow - captor System

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 ¾ " 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.

- Simple to install
- Flow and temperature meter for water-based liquids
- No moving parts, non-intrusive sensing
- Stainless steel housing and sensing surface
- **ISO 9002** certified manufacturing
- **CE** approval



Technical Data

Type	4204 / 4054.31
Medium	water-based solutions

Sensor DataType 4204

Housing	stainless steel, WN 1.4305
Thread	¾ " 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
Flow measuring range	0-100 cm/s (related to water)

Electrical Data (Electronic unit) Type 4054.31

Housing	aluminium, chromized	
Supply voltage	24 V DC ± 10%	
Power consumption	2 W typical, max. 3 W	
Ambient temperature	-20 °C to +70 °C	
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)	
Output	**Temperature**	**Flow**
Measuring range **	-20 °C to +100 °C ***	0 to 100 cm/s***
Analog output	0-10 V	0-10 V
Curve	linear	no linearization

* different cable length on request ** fixed, no range adjustment *** related to water

REV: AC / 28.11.00
sgd.: Wip./ dw

Page **1 / 1**

weber
Sensors GmbH Strohdeich 32 D-25377 Kollmar Tel.: +49 4128-591 Fax:-593
Member of the captor Group **eMail: info@captor.de • www.captor.com**

Technical data is subject to change! © Copyright by **weber** Sensors