

TECHNICAL INFORMATION

flow - captor System

Type 4204 / 4053.31

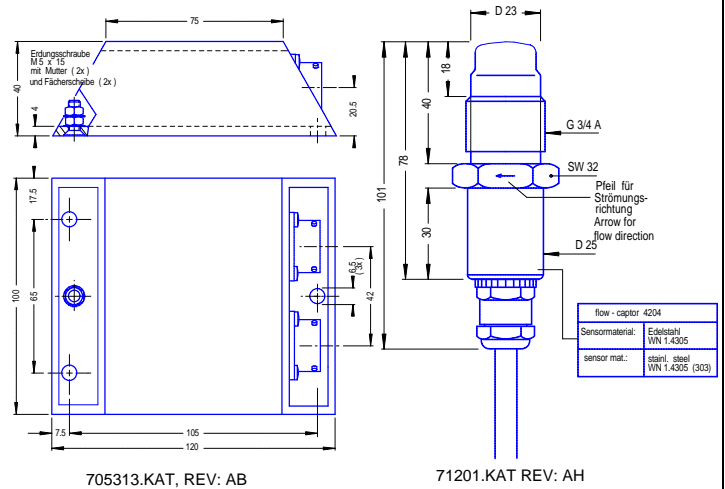


The flow-captor type 4204, together with the separate electronic unit type 4053.31, monitors flow as well as temperature of oil-based liquids up to a temperature of 100 °C.

The non-intrusive flow-captor with stainless steel (WN 1.4305) housing and sensing surface, which can be easily mounted by the stainless steel 3/4 " thread, 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 quality of the flow-captor cannot be matched.

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



Technical Data

Type	4204 / 4053.31
Medium	oil-based solutions

Sensor Data Type 4204

Housing	stainless steel, WN 1.4305
Thread	3/4 " BSP
Sensor 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	0-400 cm/s (related to oil, type Shell Diala D)

Electrical Data (Electronic unit) Type 4053.31

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 400 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 oil, Shell Diala D

weber

Sensors GmbH Strohdreich 32 D-25377 Kollmar Tel.:+49 4128-591 Fax:-593

Member of the captor Group

eMail: info@captor.de · www.captor.com

REV: AE / 28.11.00
sgd.: Wip./ dw / GW

Page 1 / 1