TECHNICAL INFORMATION

flow - captor System

Type 4204 / 4053.31

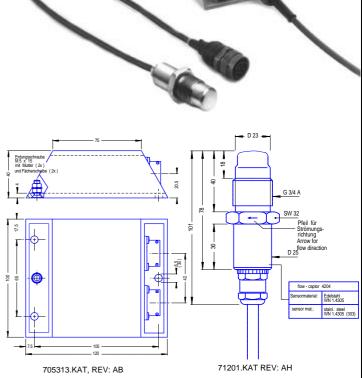
The flow-captor type 4204, together with the separate electronic unit type 4053.31, monitors flow as well as temperature of oil-based liquids up to a temperature of 100 °C.

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 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

Туре	4204 / 4053.31		
Medium	oil-based solutions		
Sensor DataType 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

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^{**} fixed, no range adjustment

^{***} related to oil, Shell Diala D