

Flow and temperature meter for oil-based liquids



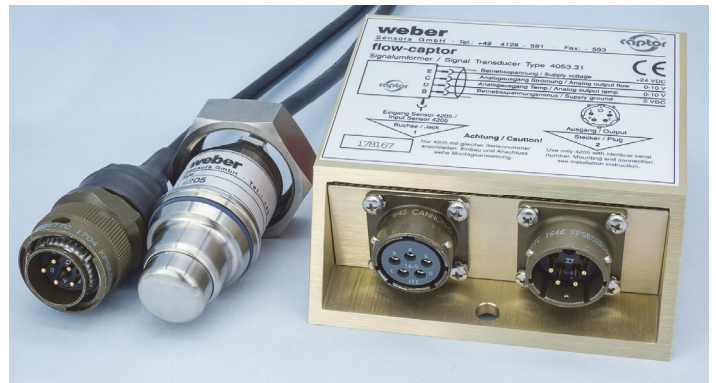
flow-captor 4205 / 4053.31

The flow-captor type 4205, together with the separate electronic unit type 4053.31, monitors flow as well as temperature of oil-based liquids up to a medium temperature of 100 °C.

The flow-captor sensor with stainless steel housing can easily be mounted by using the related conical fitting and for fixing by the union nut (M 36 x 2).

The sensor transmits the pulsed flow signal and the analog temperature signal to the transducer where the signals are converted into separate analog output voltages.

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.

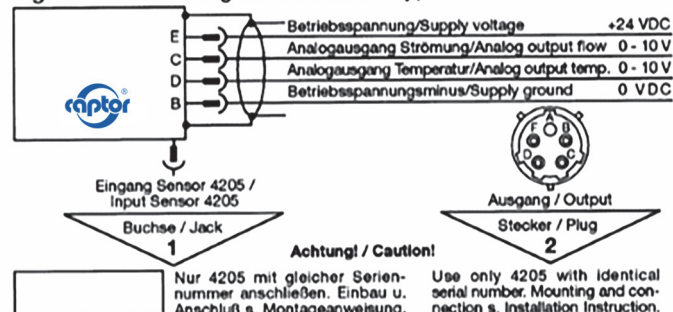
- Simple to install
- Flow and temperature meter for oil-based liquids
- No moving parts
- Stainless steel housing and sensing surface
- **ISO 9001 : 2015**

Technical data		
Type	4205 / 4053.31	
Medium	oil-based solutions	
Sensor data type 4205		
Housing	stainless steel, WN 1.4305	
Union nut	M36x2	
Sensor connection	55 cm shielded 5 x 0.5 mm ²	
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 S4 ZX-I)	
Electrical data (electronic unit) type 4053.31		
Protection class	IP65	
Housing	aluminium, surface protection: SurTec 650 chromiAL	
Supply voltage	24 VDC ± 10%	
Power consumption	2 W typical, max. 3 W	
Ambient temperature	-20 °C to +70 °C	
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 S4 ZX-I

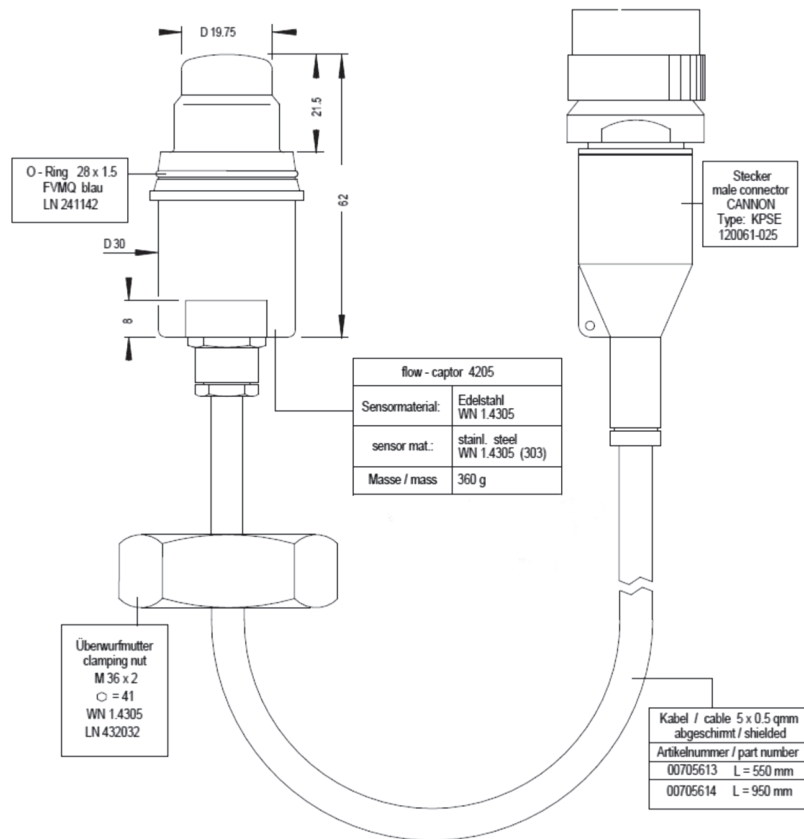
flow-captor

Signalumformer / Signal Transducer Type 4053.31



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Dimensions

