HySense TE 300

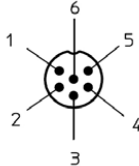## Pressure line sensor for temperature measurement

This sensor is qualified by some specific characteristics. It can be installed in any orientation and achieves highly accurate values by measuring in the fluid stream directly. It can be installed and dismantled easily by screwing it into a Minimess® 1620 series p/T test point, even at full system pressure.

TE

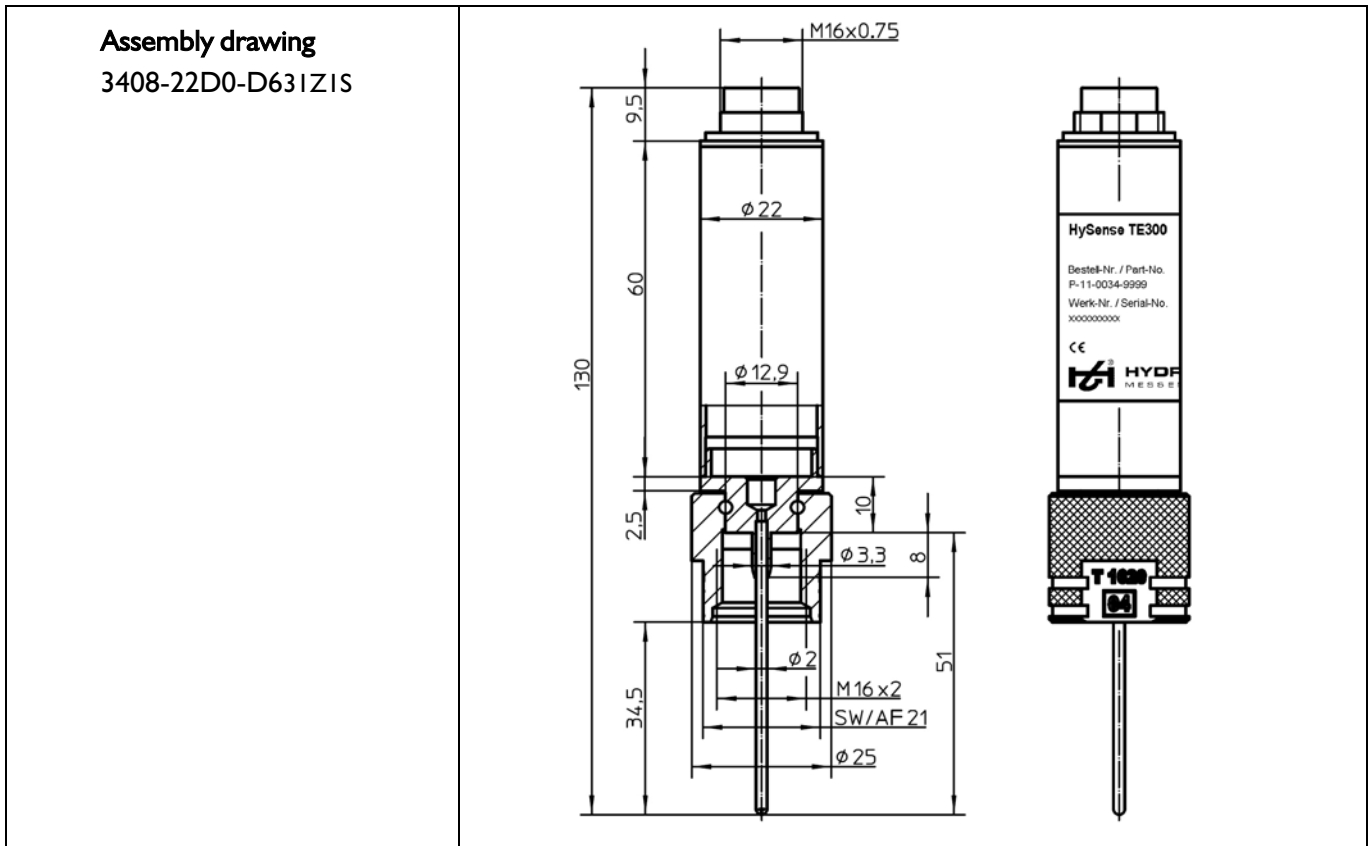| Technical Characteristics	
Screw series	Minimess 1620 (p/T version coupling)
Measuring principle	Pt 100 (platinum measuring reistor acc. to DIN IEC 751, class B)
Measuring range	-50 ... +200 °C
Output signal	4 ... 20 mA with ISDS
Signal type	3 wire (ISDS 4-20mA) / 2 wire (std. 4-20mA)
Supply voltage Ub	10 ... 30 VDC
Overvoltage protection	32 VDC
Response Time	100ms
Non linearity	0.2% FS
Max Pressure	630 bar / 63 MPa
Environmental temperature	-40 ... +85 °C (related to electronics)
Storage temperature	-40 ... +85 °C
Electrical measuring connector	6 pole device connector, M16 x 0.75
Mechanical measuring connector	1620p/T (see next page)
Protection type	IP 67 when cable connected)
Material	1.4104
Suitable measuring cable	8824-S1-05.00 (5m length)

Pin assignment	4 ... 20 mA	
	Pin 1 = – Ub / signal –	Pin 6 = ISDS (sensor
	Pin 2 = free	identification for use
	Pin 3 = + Ub / signal +	with Hydrotechnik
	Pin 4 = free	measuring
	Pin 5 = free	instruments

Output signal	Weight	Order number
	g	
4 ... 20 mA	170	3408-22D0-D631Z1S

Dimensions see next page

HySense TE 300 Dimensions

Assembly drawing
3408-22D0-D631Z1S

1620 p/T (pressure & temperature) test points

Free cutting steel 1.0718

Metal cap
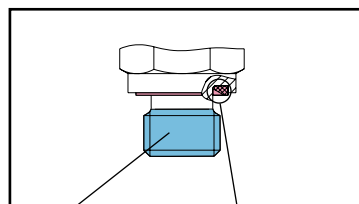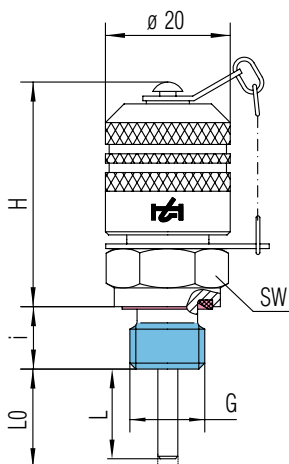
Thread G	Type of sealing A	Torque Nm	p max mm	H mm	i mm	L0 mm	L mm	SW mm	Part number with NBR sealing
ISO 228-G 1/4	Form F	40	630	36.5	10	16	14.5	19	2149-04-15.13
M 10 x 1	Form G	12	630	38	8.5	16	14.5	17	2149-04-19.13

L0 = max. immersion depth in coupled state, L = not coupled state

Option

For FKM (Viton) - exchange end digits from 13 to 53	53
For EPDM - exchange end digits from 13 to 43	43

Stainless Steel also available. Other materials, further options, sealing and screw-in threads on request. We reserve the right to carry out technical modifications.