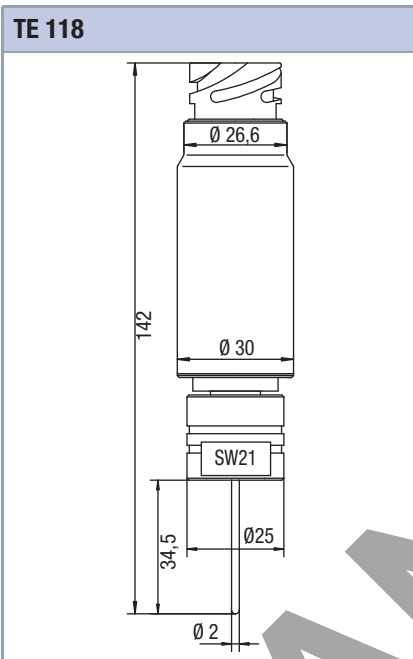# HySense TE 118

Screw-in temperature sensor

This sensor is qualified by some specific characteristics. It can be installed in any orientation and achieves highly accurate values, as it is measuring within the medium. It has IP 69 and can be installed and dismantled easily by screwing it into a 1620 series p/T-test point.

TE 118

Ø 26,6
142
Ø 30
SW21
34,5
Ø25
Ø 2

CANCELED

Qualities	
Screw series	1620
Measuring principle	Pt 100 (platinum measuring resistor in acc. to DIN 43760, class B)
Measuring range	-50 ... +200 °C
Output signal	4 ... 20 mA
Signal type	two wires
Supply voltage Ub	10 ... 30 VDC
Overvoltage protection	36 VDC
Error limit	< ± 1% of final value
Temperature error	< ± 0.3 % / 10 °C
Pressure load capacity	max. 630 bar / 63 MPa
Environmental temperature	-20 ... +80 °C (related to electronics)
Storage temperature	-20 ... +85 °C
Electrical measuring connector	device connector AMP 3 pole, acc. to DIN 72585
Mechanical measuring connector	see drawing
Protection type (EN 60529 / IEC 529)	IP 69
Material	1.4104
Suitable measuring cable	customer-specific

Pin assignment	4 ... 20 mA
2 / 3 / 1	Pin 1 = − Ub / signal −
	Pin 2 = free
	Pin 3 = + Ub / signal +

Output signal	Weight	Order number
	g	
4 ... 20 mA	200	3969-04-05.00