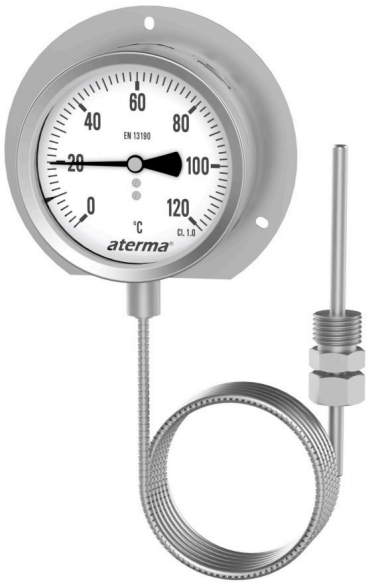
All Stainless Steel Gas-Filled Capillary Thermometers (Dry / Silicone Filled)

Applications

- Temperature measurement applications of the fluid will not corrosive effect on stainless steel material
- Machine industry
- Food and medicine industry
- Process industry
- Chemical and Petrochemical industry
- Clean water and waste water treatment systems

Sample Picture



General Features

- Production according to EN 13190
- All stainless steel material
- Silicon filled version for the system with vibration
- From -40 °C to +500 °C scale ranges

Standard Technical Features

Nominal size
100 mm, 160 mm

Design
EN 13190

Ingress protection
T50 (dry version) : IP 65
T50G (silicon filled version) : IP 65

Accuracy class
Cl. 1.0

Scale ranges	Measuring ranges
-40 … +60 °C	-30 … +50 °C
0 … 120 °C	10 … 110 °C
0 … 160 °C	20 … 140 °C
0 … 200 °C	20 … 180 °C
0 … 250 °C	30 … 220 °C
0 … 300 °C	30 … 270 °C
0 … 400 °C	50 … 350 °C
0 … 500 °C	50 … 450 °C

Working pressure
Maximum 25 bar

Case / Back flange
304 stainless steel

Bezel ring
304 stainless steel (Bayonet type)

Window
Safety glass

Pointer
Black painted Aluminium DIN pointer

Connection
316 stainless steel / G1/2B - adjustable type
*** Other connections on request

Stem
316 stainless steel / Ø8 mm diameter
*** Other sizes on request

aterma®

Standard Technical Features

Capillary

3 meters or 5 meters / 304 stainless steel

Armoured protection

304 stainless steel

Stem lenght L (added thread lenght)

200 mm (standard)

Thermowell selection

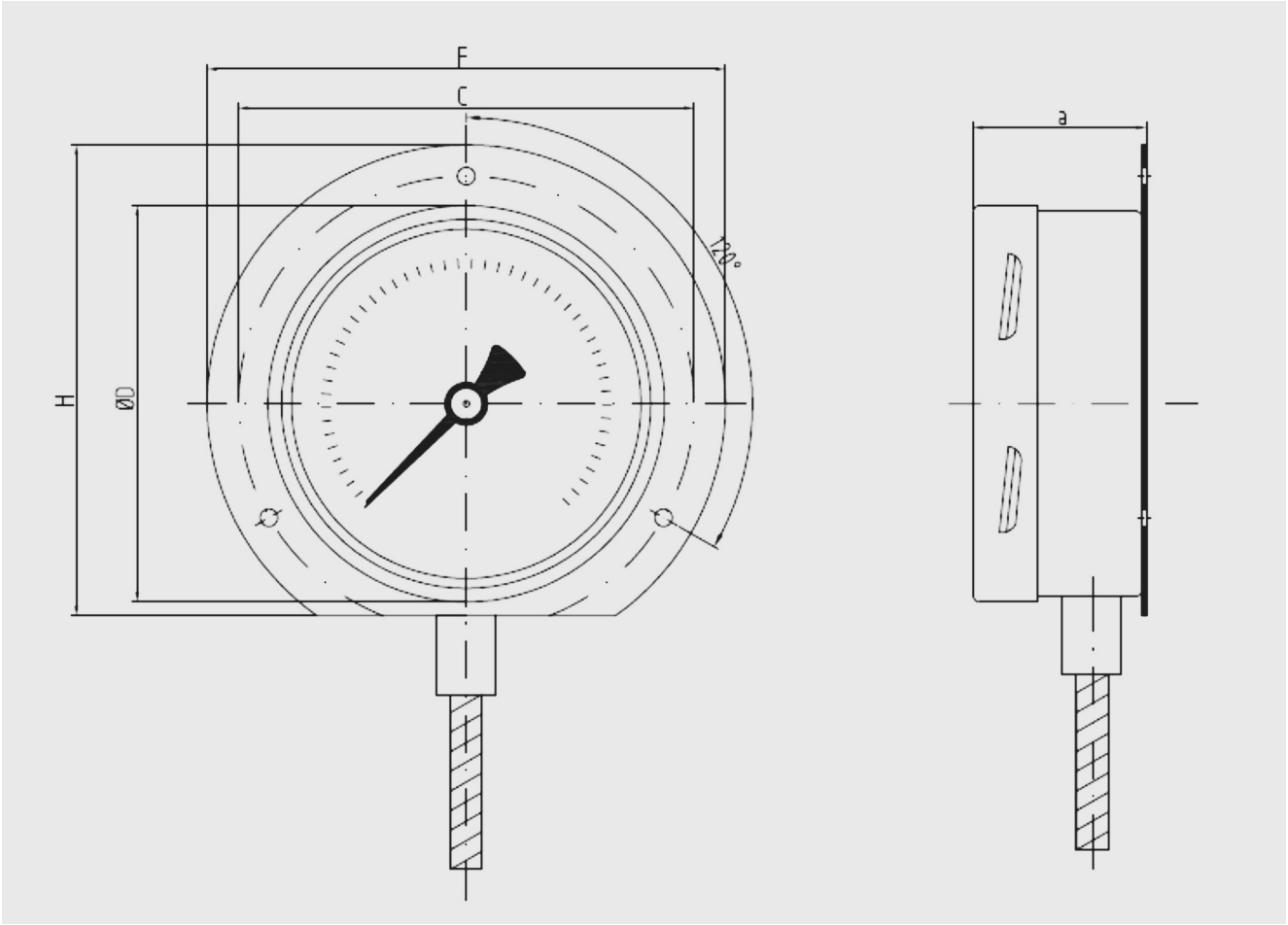
If a Thermowell is additionally requested, selection is made according to the calculation below.

Thermowell model: TV1

Thermowell stem lenght L1

Thermometer stem lenght: L

L1 = L - 17 mm



Dimensions (mm)						Weight (kg)	
Nominal size / Connection type	a	D	H	F	C	T50	T50G
Ø100 mm (3 meters capillary)	44,00	100,50	120,50	132,00	116,00	0,75	1,00
Ø100 mm (5 meters capillary)	44,00	100,50	120,50	132,00	116,00	0,85	1,10
Ø160 mm (3 meters capillary)	52,00	160,75	184,00	194,50	178,00	1,20	1,85
Ø160 mm (5 meters capillary)	52,00	160,75	184,00	194,50	178,00	1,30	1,95

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