

V-shaped thermometer

Liquid expansion thermometers for temperatures from -60ºC to 600ºC.
These instruments are very tough, easy to install and reliable. They resist extreme working conditions: vibrations, humidity, outdoors conditions, aggressive media like sea water or ammonia.
Useful to control fluid temperature in pipes or tanks from ship engines, refrigeration systems, boilers, HVAC systems, etc.

Application:

- **Heating**
- **Boilers**
- **Naval Sector**

STANDARD PARAMETERS

Structure: The glass insert is secured by an aluminum case where the temperature range is printed. The metallic stem is fixed into the system by male or female thread or Bolt.

Case dimension (H): **110, 150 or 200mm**

Mounting: See attached diagrams **A** , **B** or **C**

Connection system: **Male** or **female thread** or **bolt**

Threads: **Standard BSP**, **metrics** or **NPT**

Stem length (L), including thread: **25-500mm**

Stem diameter (Ø) : 10mm (optional 8mm)

Range: Aluminium case:**-60...0...600 °C / Polyamide case: -60...0...200°C**

Scale: **°C printed on the right side of the case** or **double scale °C/°F**

MATERIALS

Case: **Anodized aluminium gold or silver coloured / polyamide**

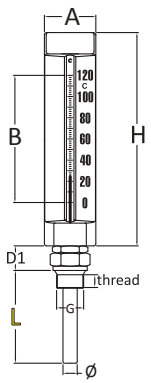
Insert: Prismatic glass with white strip for T<450°C and Round glass with yellow back for T>450°C

Thread and Stem: **Brass, Steel, Stainless steel AISI 304, AISI 316** or **316L**

Thermometric liquid: **Blue** or **red alcohol** for T<200°C / Mercury for T>200°C

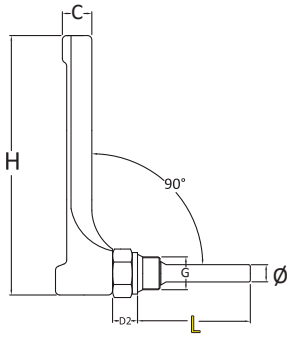
DIMENSIONS(mm)								WEIGHT (g)
Mounting	H	A	B	C	D1	D2	Ø	
Straight	110	36	60	17	20	-	10	230
	150	36	90	17.5	20	-	10	285
	200	36	130	17.5	20	-	10	320
Angle 90°	110	36	60	17	-	48	10	230
	150	36	90	17	-	48	10	275
	200	36	130	17	-	48	10	310
Angle 135°	110	36	60	17	20	-	10	230
	150	36	90	17.5	20	-	10	275
	200	36	130	17.5	20	-	10	310

A Straight



Temperature range				
Tmp. in °C	H	Subdivision °C/line	Maximum error	Líquid
-60+40	110	2	2	Alcohol
	150	1		
	200	1		
-30+50	110	1	2	Alcohol or Mercury
	150		2	
	200		1	
0+60	110	1	2	
	150		2	
	200		1	
0+100 0+120	110	2	2	
	150	1	2	
	200	1	1	
0+160 0+200	110	2	2	
	150			
	200			
0+300	150 200	2	2	Mercury
0+400		5	5	
0+500		10	5	
0+600		10	5	

B Angle 90º



C Angle 135º

