

Industrial glass thermometers with opal scale

Liquid expansion thermometers for temperatures from -40ºC to 200ºC.
These instruments are very tough, easy to install and reliable.
They resist extreme hard conditions: vibrations, humidity, indoor and outdoors.

Application:

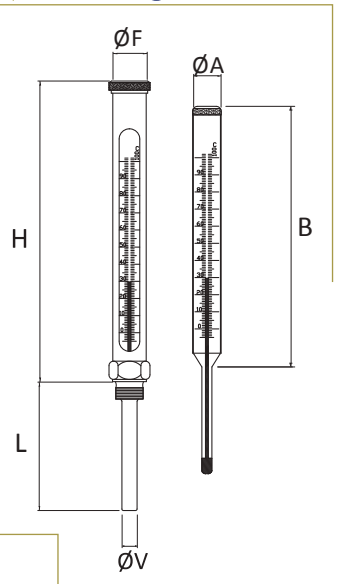
- **Heater**
- **Boilers**
- **Naval sector**

STANDARD PARAMETERS
Structure: The opal is secured by a metallic case. The temperature range is printed on the opal. The metallic stem is fixed into the system by male or female thread or through a bolt.
Case dimension (HxØF): **145xØ20, 170xØ20, 200xØ22** or **260xØ22mm**
Mounting: See attached diagrams **A** or **B**
Connection system: **Male** or **female thread** or **Bolt**
Threads: **Standard BSP, metrics** or **NPT**
Stem length (**L**), including thread: **40-300mm**
Stem diameter (ØV) : **10** or **12mm**
Range: **-40...0...200°C**
Scale: **°C** or **double scale °C /°F**

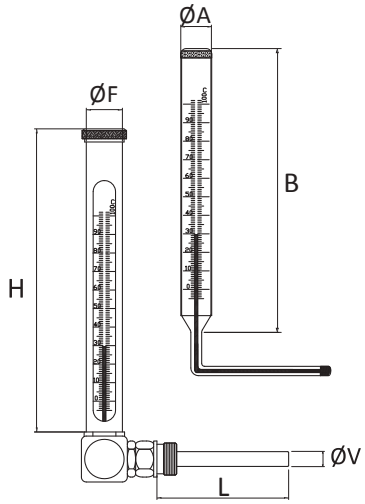
MATERIALS
Case: **Chromed steel, Stainless steel AISI 316** or **Brass**
Scale: Opal
Insert: Glass
Thread and Stem: **Chromed steel, Stainless steel AISI 316** or **Brass**
Termometric liquid: **Blue** or **red alcohol**

DIMENSIONS(mm)						WEIGHT (g)
Mounting	**H**	**B**	**ØF**	**ØA**	**ØV**	
Straight	145	135	20	16	10	81
	170	160	20	16	10	81
	200	190	22	18	10	130
	260	220	22	18	10	152
Angle 90°	145	135	20	16	10	81
	170	160	20	16	10	81
	200	190	22	18	10	130
	260	220	22	18	10	152

A **Straight**



B **Angle 90º**



Temperature range				
Tmp. in °C	**H**	**Subdivision °C/line**	**Maximum error**	**Liquid**
-40+40	145	1	2	Blue alcohol
	170			
	200			
	260			
-10+50 -10+60 0+60 0+100 0+120	145	2	1	
	170	1		
	200			
	260			
0+150 0+200	145	2	2	
	170			
	200			
	260			