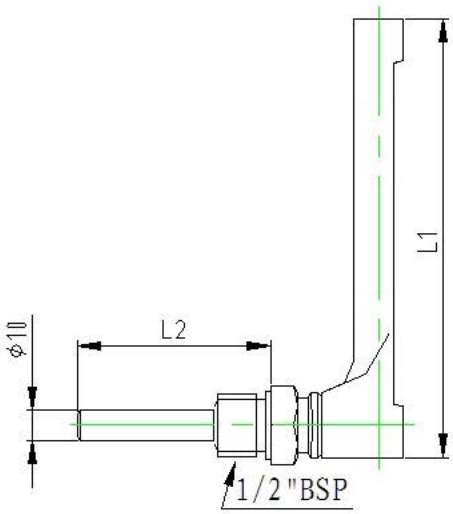
V-Shap industry glass thermometer

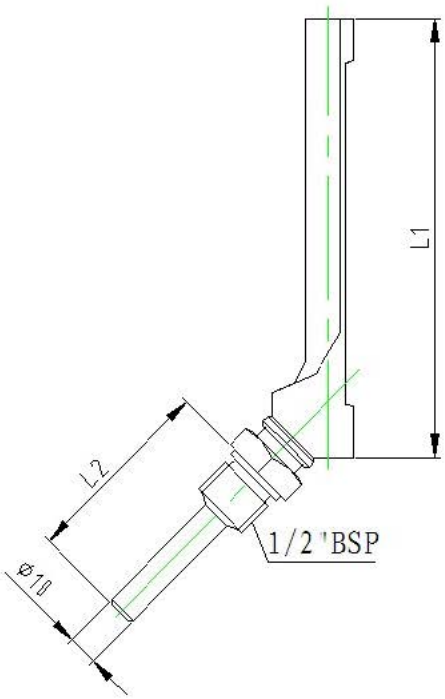
Application

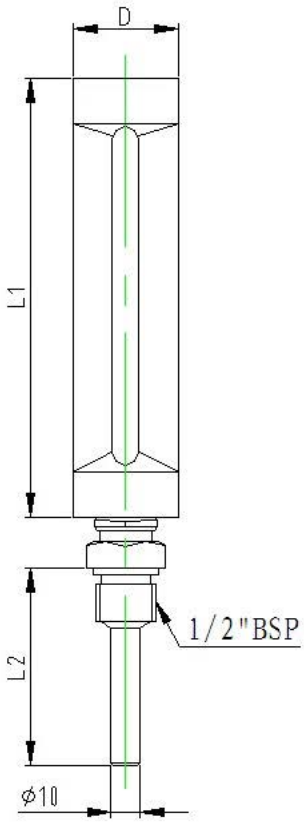
This kind of thermometer is mainly used in ships, pipelines and heating or cooling facilities. It remains direct and accurate, and more reliable and resistant to vibrations.

1.1 Structure

The thermometer is made up of three parts: case, stem and glass insert.
In the aspect of shape, we have three types: straight, 90° angle and 135° angle.







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1.2 Case

The case has three different styles, typeA, typeB, typeC

Type	Lenght (L1)	Width (D)	Material	Appearance	Colour	Standard
A	100, 150, 200 (mm)	30 (mm)	Aluminm die-casting	Polishing Anodising	Golden	DIN16181 DIN16182 DIN16185 DIN16186 DIN16189 DIN16190 DIN16191
B	100, 150, 200 (mm)	36 (mm)		Polishing Anodising Sandblasting	Golden	
C	100, 150, 200 (mm)	36 (mm)		Polishing Painting	Yellow	

1.3 Glass Insert

We combine traditional handicraft with advanced computer aided design, as well as the technique of permanent silk screen printing, which can make the scale and figures inerasable forever. The accuracy is 1% full scale

Shape		Nominal range	Scale division	Fillings	Back colour	Immersion	Standard
Round Prismatic	Straiht 90° angle 135° angle	-30-50 ° C/° F -30-70 ° C/° F	1 ° C/° F 2 ° C/° F	Organic liquid	White back	40mm 50mm 63mm 80mm 100mm 150mm 200mm 250mm	DIN16195 JJG-130-2004
		0-60 ° C/° F	1 ° C/° F				
		0-100 ° C/° F 0-120 ° C/° F	1 ° C/° F 2 ° C/° F				
		0-160 ° C/° F 0-200 ° C/° F	2 ° C/° F 5 ° C/° F				
		0-300 ° C/° F 0-400 ° C/° F	5 ° C/° F	Mercury	Yellow back		
		0-500 ° C/° F 0-600 ° C/° F	10° C/° F				

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1.3 Stem

In application, we often adopt different materials.

Material	Applied environment	Maximum temperature
Brass	General use in non-corrosive environment	300℃
Carbon steel	Corrosive environment	600℃
Stainless steel 304		
Stainless steel 316	Food industry	

We adopt two methods to fix stem, one use hexagonal turnbuckle to adjust the tension, the other one use small bolt. So there is a little difference between two structures.

Stem Length	Diameter	Angle	Thread
20mm 40mm 63mm 80mm 100mm 150mm 200mm 250mm	Φ 10mm Φ 12mm	Straight 90° angle 135° angle	3/8″ 1/2″ 3/4″ M 16×1.5 M20×1.5 M27×2