



**Bimetal thermometer for touching measurement  
With bar magnets, Class 2.5**

**TB-HW Bi018**

Rel. 20180713

- Case:** Diam. 50 mm steel nickel plated  
Diam. 63 and 80 mm stainless steel AISI 304  
Diam. 100 mm steel zinced
- Bezel:** Diam. 50 mm steel nickel plated  
Diam. 63 and 80 mm stainless steel AISI 304  
Diam. 100 mm AISI 304
- Dial:** Aluminium, white varnished  
Diam. 80 at 0-500°C and 0-600°C steel enamels  
lettering and graduation black
- Pointer:** Aluminium, black  
adjustable
- Window:** Instrument glass  
Optional: Max. drag pointer (diam. 63-100)  
Optional: Max./Min. drag pointer (diam. 63-100)



- Measuring element:** Bimetal spiral spring
- Measuring range:** 0-120°C  
Optional: see table below

**Mounting method:** With bar magnets

**Connection:** Backwards

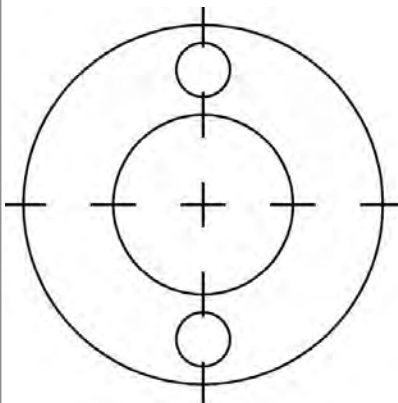
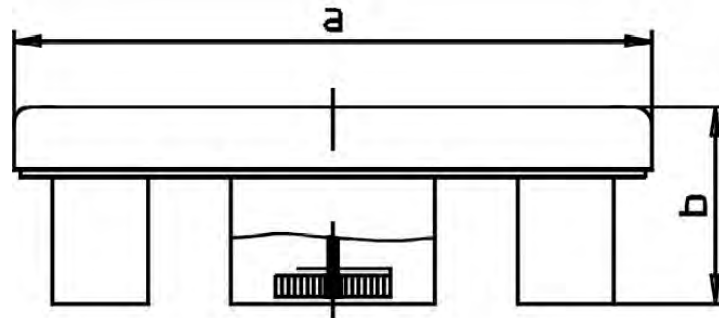
**Accuracy class:** 2,5  
Optional: Works test certificate

- Features:**
- Flexible bar magnets
  - As humidity gauge 0-100% rel. humidity
  - Protection case

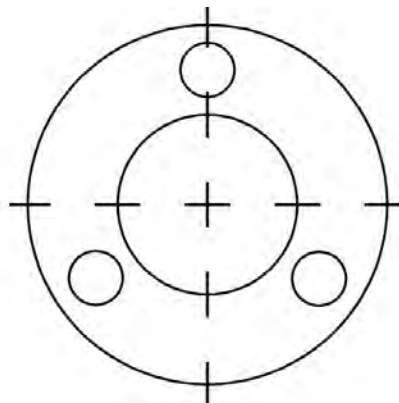
		<b>Type numbers:</b>			
Diam.:	mm	50	63	80	100
2	simple	1951	1961	1981	-
3	simple	-	1962	1982	-
4	simple	-	1963	1983	-
2	strong	-	-	1984	-
3	strong	-	-	1985	-
4	strong	-	-	1986	2006

Measuring-range for diam. 50-100	Graduation
-40 +40°C -30 +70°C -30 +50°C -20 +40°C -20 +60°C	1°
-20 +80°C -20 +100°C	2°
-10 +60°C -10 +50°C 0 -60°C 0 -80°C	1°
0 -100°C 0 -120°C 0 -160°C 0 -200°C	2°
0 -250°C 0 -300°C 0 -350°C	5°
0 -400°C	10°
and for diam. 80	
1) 0 -500°C	10°
1) 0 -600°C	10°

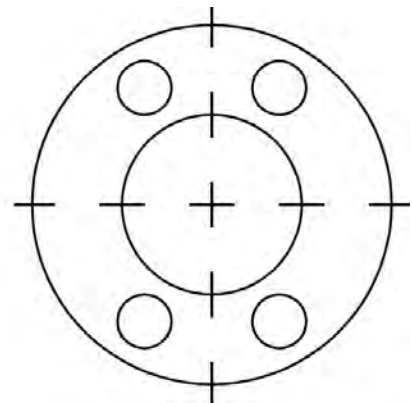
1) Dial in steel-enamels necessary!  
Annular magnets affect the measuring result because of the heat emission on the bimetal spiral spring.  
That's the reason why our gauges are fitted with bar magnets mounted as far as possible from the measuring element.



Layout of magnets  
2 pieces



Layout of magnets  
3 pieces



Layout of magnets  
4 pieces

Type	a	b	Number of magnets
1950	50	30	
1960	63	31	
1980	80	31	
2000	100	33	

Dimensions and technical data are conform to current company standard.  
Changes to improve our instruments will be made without preannouncement.