

Main Specifications

- ▼ **Size**
2.5" , 3"
(Option: 2" , 4")
- ▼ **Mount type**
Back mount with bar magnets
- ▼ **Window**
Glass / Safety glass
(only available for size > 2.5")
With O-ring sealed
- ▼ **Temperature range**
Min.: -50°C
Max.: +600°C
For detail please refer to
temperature range table
- ▼ **Application**
Attachable surface for
bar magnets
- ▼ **Protection level**
IP 54

Other Specifications

- ▼ **Housing**
Materials are differed from size
specification
Please refer to material table
- ▼ **Bezel**
Materials are differed from size
specification
Please refer to material table
- ▼ **Back housing**
Materials are differed from size
specification
Please refer to material table
With bar magnets
- ▼ **Pointer**
Aluminum with black enamel
Adjustable pointer
- ▼ **Dial face**
Aluminum with white enamel
All black scale
- ▼ **Measuring elements**
Bi-metal spiral spring
- ▼ **Temperature accuracy**
2.5%
- ▼ **Operating temperature**
Stabilization: 3/4* full scale
Short-time: 1* full scale

**Bimetal Thermometer
(Bar Magnets Type)**

Model: BT-BM

Introduction

**Thermometer imported German
BITHERMA brand.**



Features

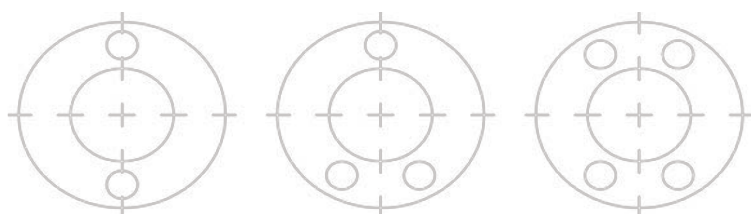
- Imported from German BITHERMA brand
- All stainless steel material are available
- Back mount with bar magnets
- Number of bar magnets are flexible

Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Size and pieces of bar magnets code table

Pieces of bar magnets	ø2"	ø2.5"	ø3"	ø4"
2 Simple magnets	1951	1961	1981	
3 Simple magnets		1962	1982	
4 Simple magnets		1963	1983	
2 Strong magnets			1984	
3 Strong magnets			1985	
4 Strong magnets			1986	2006

Layout of bar magnets



2 Bar magnets

3 Bar magnets

4 Bar magnets

Special temperature range (for $\varnothing 3''$ only)
Dial with steel enamel is necessary

0°C-500°C

0°C-600°C

Temperature range table

Temperature range (for $\varnothing 2''$, $2.5''$, $3''$, $4''$)
-50°C+50°C
-30°C+70°C
-30°C+50°C
-20°C+40°C
-20°C+60°C
-20°C+80°C
-20°C+100°C
-10°C+60°C
-10°C+50°C
0°C-60°C
0°C-80°C
0°C-100°C
0°C-120°C
0°C-160°C
0°C-200°C
0°C-250°C
0°C-300°C
0°C-350°C
0°C-400°C

Magnetic surface thermometer material table

Size	Housing	Bezel	Back housing
2"	Nickel-plated steel	Nickel-plated steel	Nickel-plated steel
2.5"	Stainless steel	Stainless steel	Stainless steel
3"	Stainless steel	Stainless steel	Stainless steel
4"	Galvanized steel	Chromed brass	Galvanized steel

How to order

BT-BM

1951

0~400°C

Model

Diameter & Pieces of bar magnets

Temperature range

BT-BM

Please refer to size and pieces of bar magnets code table

-50...600°C

Others (please refer to temperature range table)

Ordering example: BT-BM - 1951 - (0~400°C)

Other requests:

- Inspection report (issued by Re-Atlantis)
- Third party notarized document
- O-ring material (for sealing window):
rubber (standard), silicone rubber
- Customized dial face (scale, color, etc.)
- Safety glass (only available for $\varnothing 2.5''$, $3''$ and $4''$)
- Tag
- Silicone sealing IP67
- Back housing material: SS 316
- Peak hold pointer