

# 3VBM Series

## Vari-Angle® Bimetal Thermometer – 3” Dial

### SPECIFICATIONS

- CASE: 3” 304 stainless steel, hermetically sealed
- RING: 304 stainless steel with gasket
- ADJUSTABLE BRACKET: 304 stainless steel
- WINDOW: Heavy strength glass
- DIAL: White aluminum with black markings
- POINTER: Black finished aluminum, adjustable
- RECALIBRATOR: External recalibrator on rear of case
- BIMETALLIC ELEMENT: Precision-formed element with silicone dampening to maximize response time
- STEM: 300 series stainless steel, 0.250” diameter, standard lengths up to 12” (including thread)
- CONNECTION: 300 series stainless steel, 1/2 NPT
- ACCURACY:  $\pm 1.0\%$  of full range, ASME B40.200 (B40.3 Grade A)
- RANGES: -80°F (-40°C) through 1000°F (537°C)
- AMBIENT TEMPERATURE: -40-250°F (-40-120°C)

Weiss bimetal thermometers should always be installed in a thermowell in pressurized applications to protect the stem from erosion and corrosion and to allow for removal of the thermometer without disturbing the process.

®Vari-Angle is a registered trademark of Weiss Instruments LLC

### FEATURES

- 3” Dial
- $\pm 1.0\%$  Accuracy
- Adjustable Vari-Angle® Connection



### MARKETS

- Process Equipment Heavy
- Industrial Petrochemical
- Oil & Gas
- Pulp and Paper Processing
- Wastewater Processing
- Food Processing



# 3VBM Series

## STANDARD RANGES

Code	F&C Range	Figure Interval	Minor Graduation
120-LT	-80/120°F & -60/50°C	20	2
120	-20/120°F & -30/50°C	20	2
130*	30/130°F & 0/55°C	10	1
200	0/200°F & -15/90°C	20	2
250	0/250°F & -20/120°C	20	2
300	50/300°F & 10/150°C	20	2
400	50/400°F & 10/200°C	50	5
550	50/550°F & 10/260°C	50	5
800*	100/800°F & 40/425°C	100	10
1000*†	2000/1000°F & 100/540°C	100	10

\*Minimum Stem length is 4"

†Satisfactory for continuous service up to 800°F – can be used for intermittent service up to 1000°F

## OPTIONS (consult factory)

- Longer Stem Lengths
- Silicone Liquid Filled Case
- Polycarbonate Window
- Single Scale Ranges
  - °F Only Scale
  - °C Only Scale
- Thermowells – consult Weiss Thermowell Data Sheet for specifications and selection

## ORDERING CODES

Model	-	Range
3VBM25	2.5" Stem	Range Code from table above
3VBM4	4" Stem	
3VBM6	6" Stem	
3VBM9	9" Stem	
3VBM12	12" Stem	

3VBM-01.24

