BI-METAL DIAL TYPE

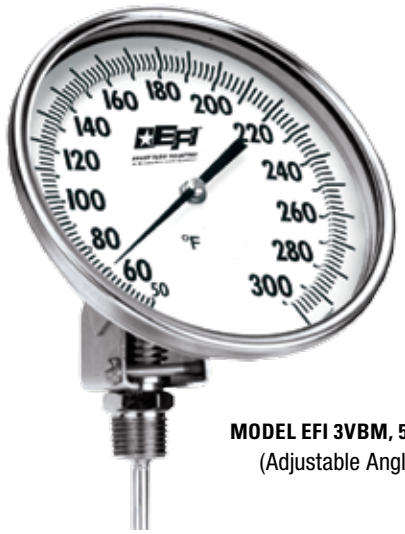
MODEL 3BM, 3BMS, 3VBM - 3" DIAL
MODEL 5BM, 5BMS, 5VBM - 5" DIAL

- **STAINLESS STEEL CASE:** The entire case assembly is of type 300 series stainless steel. Glass face gasketed within case and bezel assembly to insure a hermetic seal.
- **STEM ASSEMBLY:** Stem and fixed thread connection fabricated of type 304 stainless steel. Welded construction insures complete corrosion resistance. The stem diameter is 1/4", the fixed thread fitting is 1/2" NPT. Stem lengths also available up to 36" ...consult Ernst Flow Industries.
- **BI-METALLIC ELEMENT:** The sensitive, precision formed bi-metallic element is accurately calibrated to meet certified temperature standards. This helix assembly is silicone damped against vibration. The silicone fluid increases the speed of response due to more rapid heat transfer from stem to bi-metallic element.
- **DIAL:** The BM, BMS and VBM series have a dial of anodized aluminum, with satin matte background and black numerals and graduation lines. Minimum parallax.
- **ACCURACY:** Accurate within 1% of scale range.
- **SEPARABLE SOCKETS:** Separable sockets are available in all materials for direct attachment to the thermometers. Separable sockets should be used on all pressurized applications, to protect the stem of the thermometer from corrosion and physical damage, and to facilitate removal of the thermometer without disturbing the process. Type 304 or 316 Stainless Steel available. 3/4" NPT standard external thread. 1/2" or 1" NPT available.
- **ADJUSTABLE ANGLE TYPE:** Available in the 3VBM and 5VBM models.
- **RECALIBRATOR ADJUSTMENT:** All models equipped with reset screw.

MODEL EFI
3BMS, 5BMS
(Bottom Connection)

MODEL EFI 3BM, 5BM
(Back Connection)

3" Dial Bottom Conn. **Model EFI**	5" Dial Bottom Conn. **Model EFI**	3" Dial Back Conn. **Model EFI**	5" Dial Back Conn. **Model EFI**	Stem Length (Including Thread)
3BMS2-1/2	5BMS2-1/2	3BM2-1/2	5BM2-1/2	2-1/2"
3BMS4	5BMS4	3BM4	5BM4	4"
3BMS6	5BMS6	3BM6	5BM6	6"
3BMS9	5BMS9	3BM9	5BM9	9"
3BMS12	5BMS12	3BM12	5BM12	12"



MODEL EFI 3VBM, 5VBM
(Adjustable Angle)

Standard Temperature Ranges					
Fahrenheit Range	Scale Divisions	Fahrenheit Range	Scale Divisions	Centigrade Range	Scale Divisions
– 100 to 100°	2°	– 50 to 300°	2°	– 50 to 100°C	2°
– 80 to 120°	2°	50 to 300°	2°	– 50 to 50°C	1°
– 40 to 160°	2°	50 to 400°	5°	– 40 to 70°C	1°
– 20 to 120°	2°	50 to 500°	5°	– 40 to 160°C	2°
* 0 to 100°	1°	50 to 550°	5°	– 20 to 120°C	2°
* 25 to 125°	1°	100 to 800°	10°	– 10 to 110°C	1°
0 to 150°	1°	150 to 750°	10°	* 0 to 50°C	1/2°
0 to 200°	2°	200 to 1000°	10°	0 to 100°C	1°
0 to 220°	2°			0 to 150°C	1°
0 to 250°	2°			0 to 200°C	2°
20 to 240°	2°			0 to 300°C	5°
				0 to 400°C	5°
				100 to 500°C	5°

WARNING: All bi-metal thermometers should be selected considering media and operating conditions. Improper application can be detrimental to the thermometer causing failure and possible personal injury, or property damage.

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