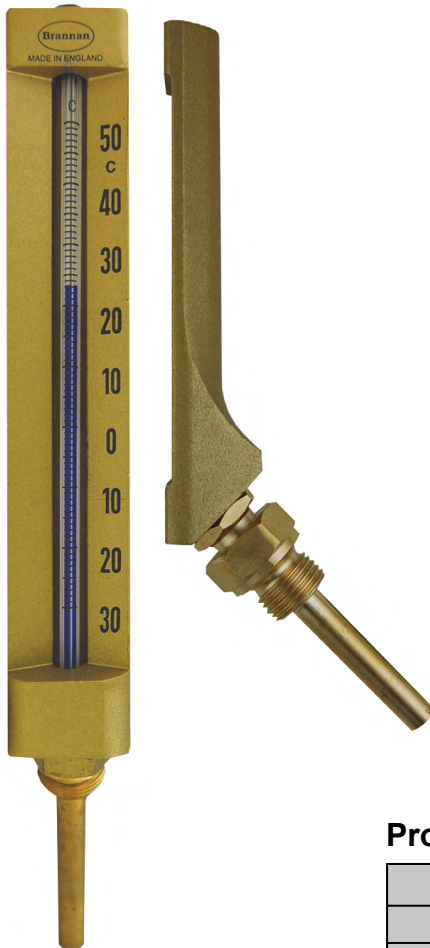


135 degree obtuse angle industrial V-line thermometers



Product features:

- Glass thermometer in heavy duty protective housing
- Reliable instrument with no moving parts
- Choice of pocket lengths and temperature ranges
- Customer branded products available subject to quantity
- Replacement thermometer tubes available (to order, substitute last digit of product number for "6" ie replacement tube for 83/093/0 is 83/093/6)
- For indoor, outdoor and high humidity installations
- **Brannan** quality and accuracy

Product specifications:

Case lengths	150mm & 200mm
Ranges	-30 to +200°C only or °C&F
Case	< +120°C: polypropylene (also available in aluminium) > +160°C: painted aluminium
Form	135° Angle
Glass filling	Blue spirit
Connection	1/2" BSP
Pocket	Brass (stainless steel available on request)
Pocket lengths	63mm, 100mm, 160mm x 10mm diameter

VT030

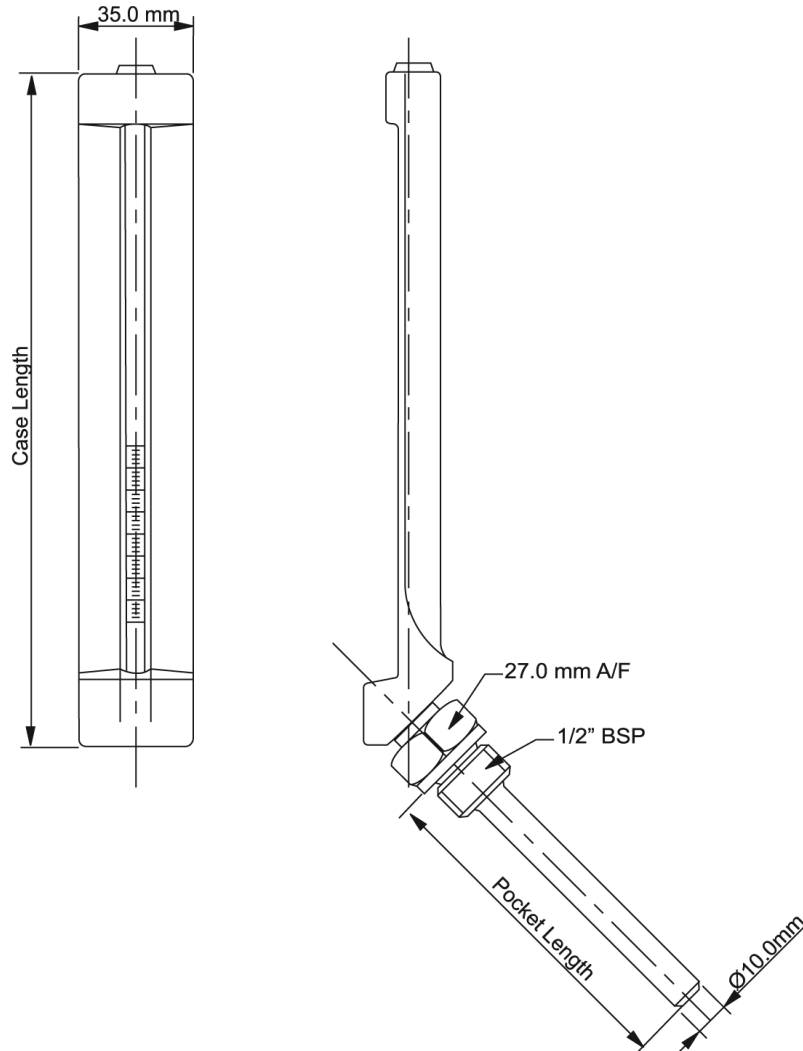
✉ sales@brannan.co.uk

☎ +44 (0)1946 816600

🌐 brannan.co.uk

135 degree obtuse angle industrial V-line thermometers

Dimensions:



Measurement for life.



135 degree obtuse angle industrial V-line thermometers

Standard product numbers - 150mm case:

Polypropylene case:

Range	Divs	63mm Pocket	100mm Pocket	160mm Pocket
-30 to +50°C	1°C	86/093/0	86/095/0	86/096/0
-30 to +50°C&F	1°C	86/103/0	86/105/0	86/106/0
0 to +50°C	1°C	86/153/0	86/155/0	86/156/0
0 to +50°C&F	1°C	86/163/0	86/165/0	86/166/0
0 to +60°C	1°C	86/173/0	86/175/0	86/176/0
0 to +60°C&F	1°C	86/143/0	86/145/0	86/146/0
0 to +100°C	1°C	86/193/0	86/195/0	86/196/0
0 to +100°C&F	1°C	86/183/0	86/185/0	86/186/0
0 to +120°C	1°C	86/223/0	86/225/0	86/226/0
0 to +120°C&F	1°C	86/233/0	86/235/0	86/236/0

Aluminium case:

Range	Divs	63mm Pocket	100mm Pocket	160mm Pocket
-30 to +50°C	1°C	86/093/0-M	86/095/0-M	86/096/0-M
-30 to +50°C&F	1°C	86/103/0-M	86/105/0-M	86/106/0-M
0 to +50°C	1°C	86/153/0-M	86/155/0-M	86/156/0-M
0 to +50°C&F	1°C	86/163/0-M	86/165/0-M	86/166/0-M
0 to +60°C	1°C	86/173/0-M	86/175/0-M	86/176/0-M
0 to +60°C&F	1°C	86/143/0-M	86/145/0-M	86/146/0-M
0 to +100°C	1°C	86/193/0-M	86/195/0-M	86/196/0-M
0 to +100°C&F	1°C	86/183/0v	86/185/0-M	86/186/0-M
0 to +120°C	1°C	86/223/0-M	86/225/0-M	86/226/0-M
0 to +120°C&F	1°C	86/233/0-M	86/235/0-M	86/236/0-M
0 to +160°C	2°C	86/293/0	86/295/0	86/296/0
0 to +160°C&F	2°C	86/303/0	86/305/0	86/306/0
0 to +200°C	2°C	86/323/0	86/325/0	86/326/0
0 to +200°C&F	2°C	86/333/0	86/335/0	86/336/0

Standard product numbers - 200mm case:

Polypropylene case:

Range	Divs	63mm Pocket	100mm Pocket	160mm Pocket
-30 to +50°C	1°C	83/093/0	83/095/0	83/096/0
-30 to +50°C&F	1°C	83/103/0	83/105/0	83/106/0
0 to +50°C	1°C	83/153/0	83/155/0	83/156/0
0 to +50°C&F	1°C	83/163/0	83/165/0	83/166/0
0 to +60°C	1°C	83/173/0	83/175/0	83/176/0
0 to +60°C&F	1°C	83/143/0	83/145/0	83/146/0
0 to +100°C	1°C	83/193/0	83/195/0	83/196/0
0 to +100°C&F	1°C	83/183/0	83/185/0	83/186/0
0 to +120°C	1°C	83/223/0	83/225/0	83/226/0
0 to +120°C&F	1°C	83/233/0	83/235/0	83/236/0

Aluminium case:

Range	Divs	63mm Pocket	100mm Pocket	160mm Pocket
-30 to +50°C	1°C	83/093/0	83/095/0	83/096/0
-30 to +50°C&F	1°C	83/103/0	83/105/0	83/106/0
0 to +50°C	1°C	83/153/0	83/155/0	83/156/0
0 to +50°C&F	1°C	83/163/0	83/165/0	83/166/0
0 to +60°C	1°C	83/173/0	83/175/0	83/176/0
0 to +60°C&F	1°C	83/143/0	83/145/0	83/146/0
0 to +100°C	1°C	83/193/0	83/195/0	83/196/0
0 to +100°C&F	1°C	83/183/0	83/185/0	83/186/0
0 to +120°C	1°C	83/223/0	83/225/0	83/226/0
0 to +120°C&F	1°C	83/233/0	83/235/0	83/236/0
0 to +160°C	2°C	83/293/0	83/295/0	83/296/0
0 to +160°C&F	2°C	83/303/0	83/305/0	83/306/0
0 to +200°C	2°C	83/323/0	83/325/0	83/326/0
0 to +200°C&F	2°C	83/333/0	83/335/0	83/336/0

VT030

135 degree obtuse angle industrial V-line thermometers

Product weights - Polypropylene case:

150mm case:

Components for ranges up to 120°C	63mm Pocket	100mm Pocket	160mm Pocket
Pocket	119g	126g	147g
Tube	16g	21g	30g
150mm plastic case	63g	63g	63g
Plug and washers	3g	3g	3g
NET TOTAL WEIGHT	201g	213g	243g
Box / * bubble wrap only	33g	33g	36g
GROSS TOTAL WEIGHT	234g	246g	279g

200mm case:

Components for ranges up to 120°C	63mm Pocket	100mm Pocket	160mm Pocket
Pocket	119g	126g	147g
Tube	16g	21g	30g
200mm plastic Case	125g	125g	125g
Plug and washers	3g	3g	3g
NET TOTAL WEIGHT	263g	275g	305g
Box / *bubble wrap only	35g	35g	42g
GROSS TOTAL WEIGHT	298g	310g	347g

Product weights - Aluminium case:

150mm case:

Components for all ranges	63mm Pocket	100mm Pocket	160mm Pocket
Pocket	119g	126g	147g
Tube	16g	21g	30g
150mm metal case	122g	122g	122g
Plug and washers	3g	3g	3g
NET TOTAL WEIGHT	260g	272g	302g
Box / * bubble wrap only	33g	33g	36g
GROSS TOTAL WEIGHT	293g	305g	338g

200mm case:

Components for all ranges	63mm Pocket	100mm Pocket	160mm Pocket
Pocket	119g	126g	147g
Tube	16g	21g	30g
200mm metal case	143g	143g	143g
Plug and washers	3g	3g	3g
NET TOTAL WEIGHT	281g	293g	323g
Box / *bubble wrap only	35g	35g	42g
GROSS TOTAL WEIGHT	316g	328g	365g

Packaging details

V-Lines are packed in individual boxes.

Box dimensions for 150mm cases: 63mm & 100mm pockets - 160 x 160 x 40 x 35 x 40mm
160mm pockets - 160 x 220 x 40 x 35 x 40mm

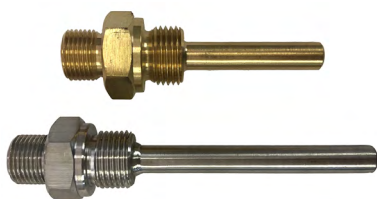
Box dimensions for 200mm cases: 63mm & 100mm pockets - 225 x 160 x 40 x 35 x 40mm
160mm pockets - 225 x 210 x 40 x 35 x 40mm



135 degree obtuse angle industrial V-line thermometers

Replacement V-line pockets:

- Available in brass or stainless steel
- 1/2" BSP connection (3/8" BSP and NPT options available on request)
- Thread connection for straight V-Line case
- Brass pockets available in 30mm through to 400mm lengths
- Stainless steel pockets available in 30mm through to 160mm lengths



Pocket length	1/2" BSP Pockets	
	Brass	Stainless steel
30mm	95/616/0	95/658/0
40mm	95/617/0	95/656/0
50mm	95/618/0	95/649/0
63mm	95/607/0	95/650/0
75mm	95/619/0	95/659/0
100mm	95/608/0	95/651/0
160mm	95/612/0	95/652/0
200mm	95/609/0	-
250mm	95/623/0	-
400mm	95/624/0	-

Replacement V-line tubes:

Replacement thermometer tubes available (to order, substitute last digit of product number for "6" ie replacement tube for 81/090/0 is 81/090/6)

- Available to fit all case sizes and stem lengths
- Wide choice of temperature ranges
- Brass pockets available in 30mm, 40mm, 50mm, 63mm, 75mm, 100mm, 160mm, 200mm, 250mm & 400mm lengths
- Stainless steel pockets available in 30mm, 40mm, 50mm, 63mm, 75mm, 100mm and 160mm lengths



V-line over-pockets:

- Pockets / thermowells for use with V-line thermometers
- Allows V-line thermometers to be removed while system is filled
- Available in chrome plated mild steel or stainless steel
- For 1/2" BSP female x 1/2" BSP male V-lines
- Chrome plated mild steel over-pocket to suit 63mm or 100mm pockets in 75mm or 110mm lengths
- Stainless steel over-pocket to suit 63mm, 100mm or 160mm pockets in 75mm, 110mm or 170mm lengths
- Stainless steel over-pocket for use with corrosive liquids



Pocket length	Chrome plated over-pockets	
	To suit 1/2" BSP 63mm pocket	To suit 1/2" BSP 100mm pocket
75mm	62/065/0	-
110mm	-	62/067/0

Pocket length	Stainless steel over-pockets		
	To suit 1/2" BSP 63mm pocket	To suit 1/2" BSP 100mm pocket	To suit 1/2" BSP 160mm pocket
75mm	62/068/0	-	-
110mm	-	62/070/0	-
170mm	-	-	62/071/0

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