

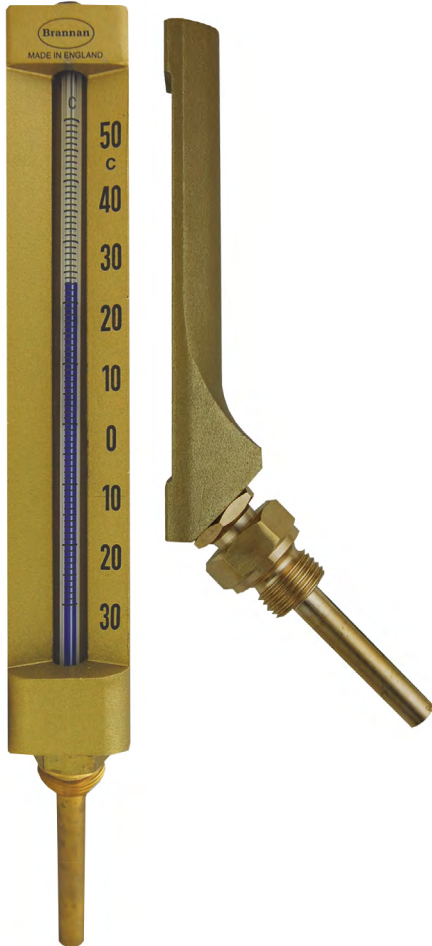
# Product data sheet

✉ [sales@brannan.co.uk](mailto:sales@brannan.co.uk)

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## VT030 - 135° ANGLE V-LINE THERMOMETERS



### Features:

- Glass thermometer in heavy duty (metal case only) 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)
- **Brannan** quality and accuracy
- For indoor, outdoor and high humidity installations

### Standard product specifications:

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

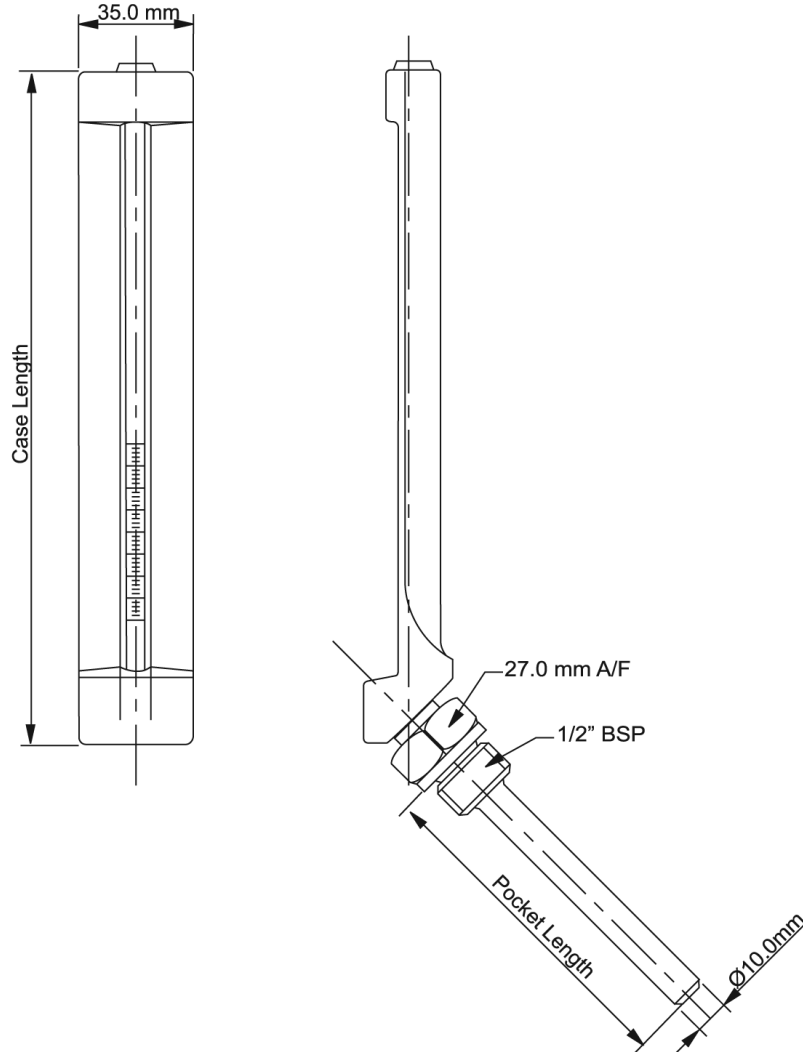
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## Dimensions:



## Standard product numbers - 150mm 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
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:

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

# Product data sheet

## 150mm Case product weights For ranges up to 120°C (plastic 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
<b>NET TOTAL WEIGHT</b>	<b>201g</b>	<b>213g</b>	<b>243g</b>
Box / * bubble wrap only	33g	33g	36g
<b>GROSS TOTAL WEIGHT</b>	<b>234g</b>	<b>246g</b>	<b>279g</b>

### Packaging details for 150mm cases:

V-Lines are packed in individual boxes.

**Box dimensions:** 63mm and 100mm Pockets - 160 x 160 x 40 x 35 x 40mm  
160mm Pockets - 160 x 220 x 40 x 35 x 40mm

## 150mm Case product weights For ranges over to 160°C (metal case):

Components for ranges up to 120°C	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
<b>NET TOTAL WEIGHT</b>	<b>260g</b>	<b>272g</b>	<b>302g</b>
Box / * bubble wrap only	33g	33g	36g
<b>GROSS TOTAL WEIGHT</b>	<b>293g</b>	<b>305g</b>	<b>338g</b>

## 200mm Case product weights For ranges up to 120°C (plastic 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
<b>NET TOTAL WEIGHT</b>	<b>263g</b>	<b>275g</b>	<b>305g</b>
Box / *bubble wrap only	35g	35g	42g
<b>GROSS TOTAL WEIGHT</b>	<b>298g</b>	<b>310g</b>	<b>347g</b>

### Packaging details for 200mm cases:

V-Lines are packed in individual boxes.

**Box Dimensions:** 63mm and 100mm Pockets - 225 x 160 x 40 x 35 x 40mm  
160mm Pockets - 225 x 210 x 40 x 35 x 40mm

## 200mm Case product weights For ranges over to 160°C (metal case):

Components for ranges up to 160°C	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
<b>NET TOTAL WEIGHT</b>	<b>281g</b>	<b>293g</b>	<b>323g</b>
Box / *bubble wrap only	35g	35g	42g
<b>GROSS TOTAL WEIGHT</b>	<b>316g</b>	<b>328g</b>	<b>365g</b>



# Product data sheet

## 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, 40mm, 50mm, 63mm, 75mm, 100mm, 160mm, 200mm, 250mm & 400mm lengths
- Stainless steel pockets available in 30mm, 40mm, 50mm, 63mm, 75mm, 100mm and 160mm lengths

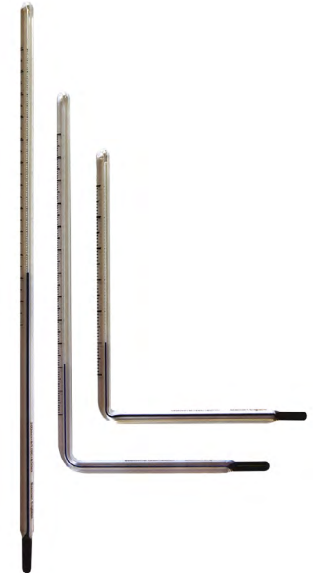


Pocket length	1/2" BSP Pockets	
	Brass	Stainless steel
30mm	95/616/0	95/658/0
40mm	95/617/0	95/656/0
50mm	95/618/0	95/649/0
63mm	95/607/0	95/650/0
75mm	95/619/0	95/659/0
100mm	95/608/0	95/651/0
160mm	95/612/0	95/652/0
200mm	95/609/0	-
250mm	95/623/0	-
400mm	95/624/0	-

## 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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