

W-Series Temperature

BETA products are manufactured in The Netherlands

Enclosures:

Cast Aluminum:

Oven baked powder coating
hammertone grey

Also available in SS 316

Explosion-Proof IP 66 -
EN IEC 60079 - Ex d / Ex tb
(Nema 4X)

Repeatability:

typical 0.2% of Full Scale

Standard unit:

Degrees Celsius

Optional: Fahrenheit

Standard process connection:

1/2" NPT M

Standard Bulb Diameter:

10 mm

For wetted parts:

more possibilities available,
see full catalogue

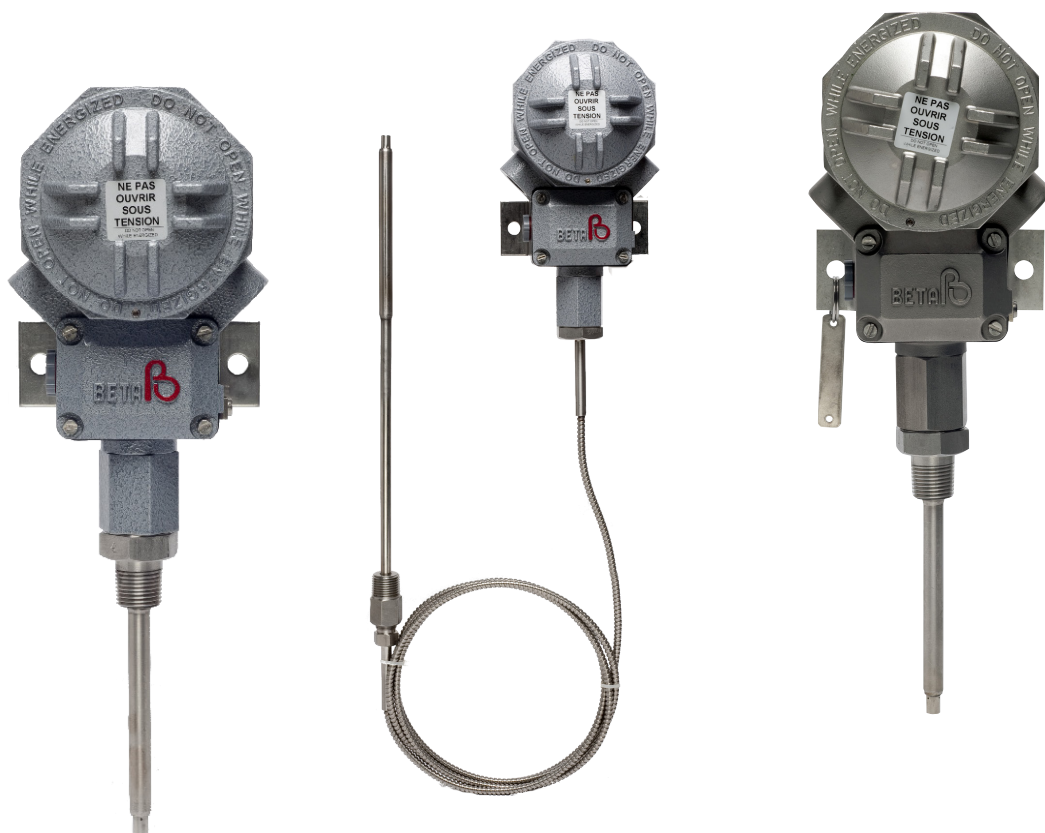
**BETA SWITCHES ARE,
BUILD TO LAST!**

Do you want to know more:

Please contact your local dealer
and ask for the General Bulletin.
Or contact us directly!



WWW.BETA-B.NL



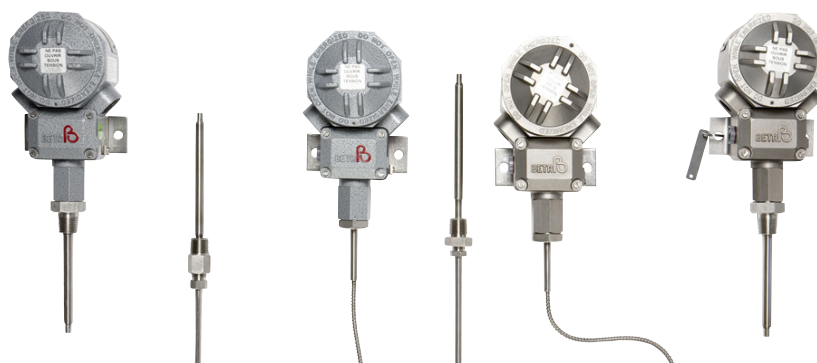
Ranges for Temperature switches.

RANGE CODE	ADJUSTABLE RANGE		MAX. DEADBAND ³⁾		MAX. TEMPERATURE		PROOF TEMPERATURE		MAX. PROCESS PRESSURE	
T 528 H	-40	+40 °C	3	°C	+125	°C	+200	°C	175	bar
T 548 H	0	+95 °C			+200	°C	+250	°C		
T 568 H	+60	+180 ¹⁾ °C			+300	°C	+350	°C		
T 588 H	+160	+300 ²⁾ °C	3.5	°C	+400	°C	+450	°C		

¹⁾ In case process temperature > 140 °C, Direct mount sensing bulb is not recommended.

²⁾ Not in combination with Direct mount sensing bulb.

³⁾ For deadband calculation in combination with "SR"- and "SP"- micro, Consult Factory.



Disclaimer:

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incorrect interpretation or possible lack of information in this document.
It is clearly and only intended as coarse and general information of our products.

More Short Form Data Sheets on Vacuum, Differential and Temperature Switches are available.

Making the modelcode: Follow steps 1 to 5

1 Selection of enclosure type.

Conduit:	Material:	Code:
3/4" NPT F	Aluminium	W3
M20 x 1.5	SS 316	W8
3/4" NPT F	SS 316	W9

2 Selection of temperature range, - see front page.

3 Selection of sensor bulbs.

Process Connection:	Code:	Type of temperature sensing bulb:
1/2" NPT (M)	D00	Direct mount 128 mm length
	D02	Direct mount 225 mm length
	C02	Capillary mount 2 mtr. capillary length
	C05	Capillary mount 5 mtr. capillary length
	C10	Capillary mount 10 mtr. capillary length
	CXX	Capillary mount Special capillary length

Note: All SS 316 stainless steel sensor, capillary (SS 304 armored) and compression fitting.

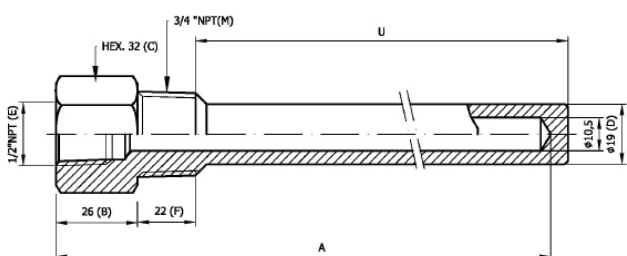
- 1) Not in combination with range T588H (+160/+300 °C), not recommended with T568H in case of process temperature >140 °C.
- 2) Length of capillary should be specified, consult your BETA Switch Representative. (Max 15 m.)

4 Selection of diaphragm / O-rings.

All temperature switches have "S0" (SS 316) welded diaphragm.

Accessoires:

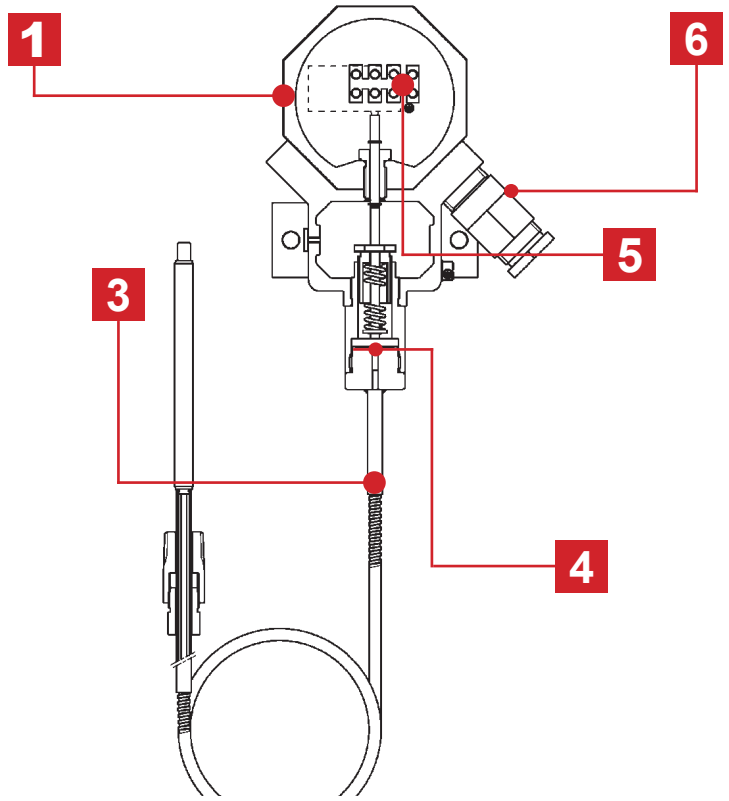
Thermowell (SS 316)



Standard BETA Thermowell:

Code:	Insertion length "U" (MM):	Insertion Length "A" (MM):	Fit to BETA temp. sensing bulb:
TW 11	115	155	D00, C02, C03
TW 15	155	195	C02, C03, C05
TW 19	190	228	D02, C02, C03 & C05

- NOTES:**
- BETA Thermowells to be ordered as separate item.
 - Do not include Thermowell code into the switch code.
 - Special Thermowell possible - Consult your BETA Switch Representative.



5 Selection of microswitches.

Rating:		Use:	Code:
VAC.	VDC. 3)		
480/ 15A	28/ 0.5A	Standard	K1 2)
480/ 10A	28/ 0.5A	Standard for L-serie	L1 2)
480/ 15A	125/ 0.5A	Normal DC-service	U1
125/ 1A	28/ 0.5A	For use in H ₂ S environment and/ or for Ex d & Ex tb applications. 3)	G1 **
250/ 0.1A	30/ 0.1A	Environmental proof(IP 67)	Y1 1)
250/ 0.1A	30/ 0.1A		O1 1)
250/ 2A	30/ 2A		N1 1)

1) For D.P.D.T action, second code figure should be specified as "2"

For example: Y1 = S.P.D.T./ Y2 = D.P.D.T

2) VDE certified acc. to DIN EN 61 058-1:1992+A1:1993.

3) Indicated ratings are for resistive DC load only.

** DC Rating not U.L. listed, although experience and third party testing confirm the D.C Voltage ratings. Consult your local BETA switch Representative.

6 Selection of options.

Description:	Code:
Cable gland	C
Stainless steel tag key ringed to enclosure (Tag has 2 lines - 16 characters per line)	S
Epoxy coating of switch. (External) Only in combination SS 316 process connection	Y