Low differential electronic rod thermostat, with high corrosion resistance housing, specifically designed for surface treatment baths, and highly basic or acid corrosive liquids or environments.

(P2)

Cover and housing material options:
-Black PA66, glass filled body, and polycarbonate (PC) transparent, suitable for most applications in low to medium corrosive liquids, up to 90 °C. Allows to view constantly input and output power supply and thermostat set point. Excellent mechanical strength of the housing (IK10). Very good UV resistance.
-Orange PP (polypropylene) body, with transparent polycarbonate (PC) cover: Very good resistance to strong bases, good resistance to acids. For use on liquids up to 90 °C. Allows viewing constantly input and output power supply and thermostat set point. Reduced mechanical strength (IK8).
-Orange PP (polypropylene) body, with opaque orange PP (polypropylene) cover: Very good resistance to strong bases, good resistance to acids. For use in liquids up to 90 °C. Reduced mechanical strength (IK8).
- White PVDF body with opaque white PVDF cover: For use in liquid baths at temperatures above 90 °C and up to 110°C or strong oxidizing chemicals such as chrome electrolyte or nitric acid solution (HNO3). Reduced mechanical strength (IK8).

Rod protection options (see also table below)
- Stainless steel 316L-Ti without coating
- Stainless steel 316L, with FEP chemically deposed coating, thickness 0.2 to 0.4mm
- Stainless steel 316L, with PFA chemically deposed coating, thickness 0.2 to 0.4mm
- Stainless steel 316L, with PTFE chemically deposed coating, thickness 0.05 to 0.1mm
- Stainless steel 316L, with ETFE chemically deposed coating, thickness 0.2 to 0.4mm

Main references with SS 316L rod, coated with shrinked PTFE

Temperature ranges °C (°F)	Rod length (mm)	Black PA66 housing, crystal clear PC cover	Orange PP housing, crystal clear PC cover	Orange PP housing, orange opaque PP cover	White PVDF housing, White opaque PVDF cover	Differential* °C (°F)	Max temperature on probe °C (°F)
4-40°C (32-104°F)	450	YF52NCS04040451P	YF52PCS04040451P	YF52PPS04040451P	YF52VVS04040451P	0.8±0.2 °C (1,5±0,4 °F)	120°C (250°F)
30-90°C (85-195°F)	450	YF52NCS30090451P	YF52PCS30090451P	YF52PPS30090451P	YF52VVS30090451P	1±0.3 °C (1.8±0,5 °F)	120°C (250°F)
30-110°C (90-230°F)	450	YF52NCS30110451P	YF52PCS30110451P	YF52PPS30110451P	YF52VVS30110451P	1±0.3 °C (1.8±0,5 °F)	120°C (250°F)
4-40°C (32-104°F)	600	YF52NCS04040601P	YF52PCS04040601P	YF52PPS04040601P	YF52VVS04040601P	0.8±0.2 °C (1,5±0,4 °F)	120°C (250°F)
30-90°C (85-195°F)	600	YF52NCS30090601P	YF52PCS30090601P	YF52PPS30090601P	YF52VVS30090601P	1±0.3 °C (1.8±0,5 °F)	120°C (250°F)
30-110°C (90-230°F)	600	YF52NCS30110601P	YF52PCS30110601P	YF52PPS30110601P	YF52VVS30110601P	1±0.3 °C (1.8±0,5 °F)	120°C (250°F)

* Differentials measured in laboratory conditions, in agitated liquid baths, with temperature change rates below 0.5°C/min.

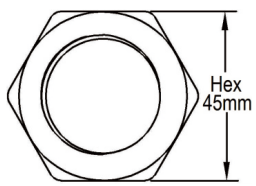
Reference modifications vs options

Rod length			Rod protection coating						
300mm	800mm	1000mm	316L sans gainage	316L-Ti sans gainage	Titane	316L+ FEP 0.2 ~ 0.4mm*	316L+ PFA 0.2 ~ 0.4mm*	316L+ PTFE 0.05 ~ 0.1mm*	316L+ ETFE 0.2 ~ 0.4mm*
xxxxxxxxxxx30xx	xxxxxxxxxxx80xx	xxxxxxxxxxxA0xx	xxxxxxxxxxxxxxU	xxxxxxxxxxxxxxV	xxxxxxxxxxxxxxW	xxxxxxxxxxxxxxQ	xxxxxxxxxxxxxxR	xxxxxxxxxxxxxxS	xxxxxxxxxxxxxxT

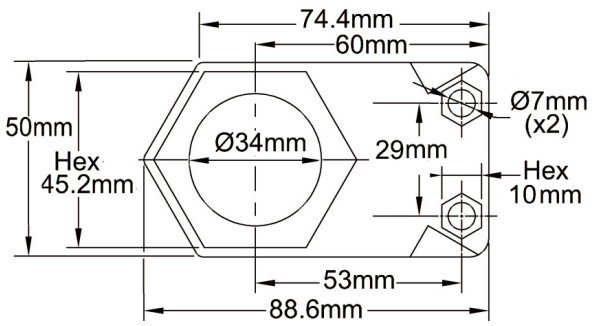
* MOQ 100 pieces
Versions with °F printed knobs: replace S by T in the reference (7th character)

Accessories

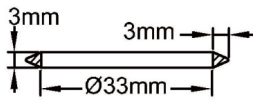
1" BSPP Nut, 5mm thickness



Bracket for tank side mounting, thickness 10mm (Assembly made with 1" nut)



1" gasket for through wall waterproof mounting with 1" nut



Reference in PA66: 66YFHN1N	Reference in PA66: 66YFMB1N	Reference in FKM (Viton): 66YGA1F
Reference in PP: 66YFHN1P	Reference in PP: 66YFMB1P	
Reference in PVDF: 66YFHN1V	Reference in PVDF: 66YFMB1V	

JPC sas, 2 voie Gallo Romaine, ZAC de la Bonne Rencontre, 77860 Quincy Voisins, France
Tel: +33(0)1 60046644 Fax: +33(0)1 60048444 E-Mail: info@jpcfrance.fr Web: www.jpcfrance.fr