TG-IH3/...

Immersion sensor with housing



Immersion sensor for temperature measurement in heating- or cooling applications. Available in different lengths.

- ✓ Sealed housing with IP65
- ✓ Easy access to connection
- ✓ Replaceable cable gland

Application

The immersion sensor measures the temperature in water pipes. It can be used for a wide range of applications, since there are models with different sensor elements and different insertion lengths. Needs to be installed in a well.

Function

The immersion sensor is suitable for all environments.

Installation

A well is not delivered with the product. The user needs to mount a well on the pipe where temperature are wished to be measured, and then assemble the sensor in the well and secure the sensor with the locking screw.

The terminal block for connecting the analog input to a controller is located under the cover. The cover is easily removed from the base with a twist.

The sensor is designed so that the seal remains in the cover at all times and the cable gland is replaceable.

HEAD OFFICE SWEDEN
Phone: +46 31 720 02 00
Web: www.regincontrols.com
E-mail: info@regincontrols.com

Technical data

Protection class	IP65
Time constant	18 s
Measuring range, temperature	-20...+120 °C
Diameter, probe	5 mm
Pressure rating	PN25
Cable gland	M16
Dimensions, external (WxHxD)	78 x 156 x 104 mm
Weight (incl. packaging)	0.17 kg

CE

This product carries the CE-mark. More information is available at www.regincontrols.com.

Material

Material, housing	Polycarbonate (PC)
Material, base	Polycarbonate (PC)
Material, probe	Stainless steel, EN1.4301(SUS304)

Models

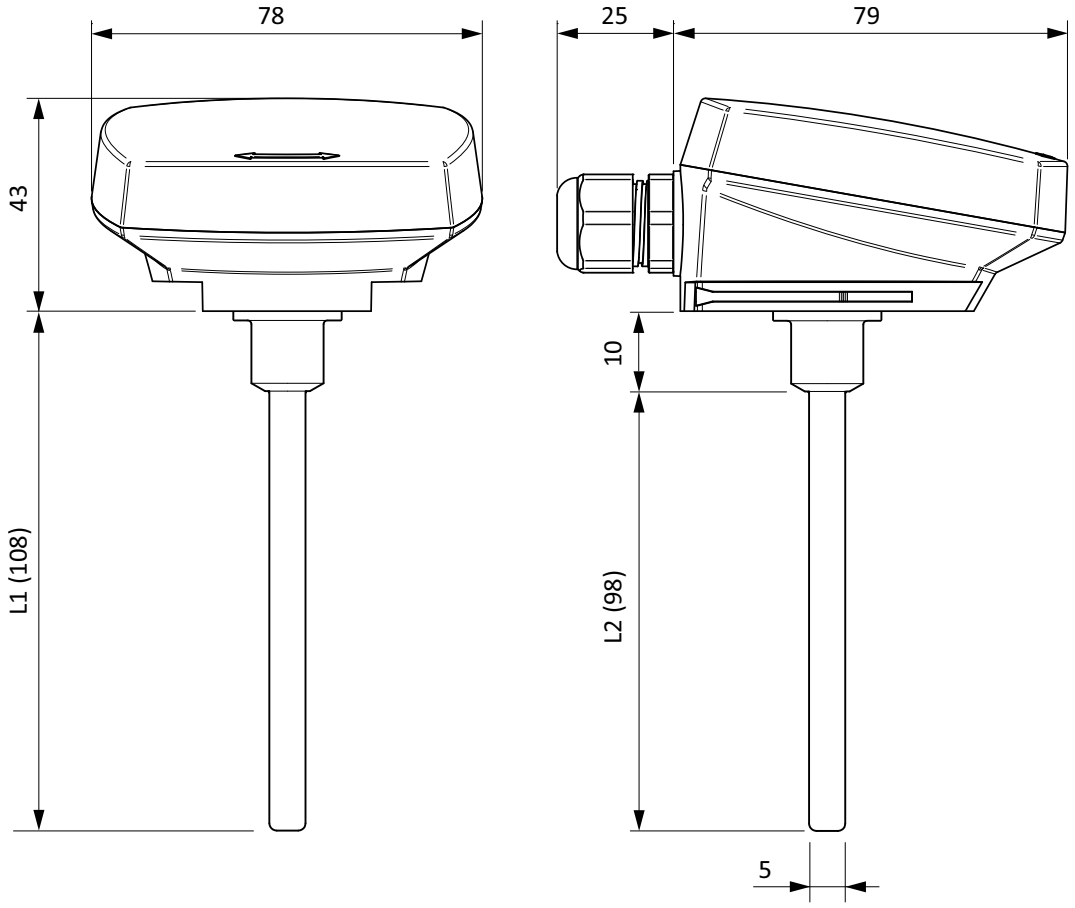
Article	Sensor element	Nominal resistance	Insertion length	Equivalent
TG-IH3/PT100-90	PT100 (DIN class B)	100 Ω (0°C)	90 mm	-
TG-IH3/PT1000-50	PT1000 (DIN class B)	1000 Ω (0°C)	50 mm	-
TG-IH3/PT1000-90	PT1000 (DIN class B)	1000 Ω (0°C)	90 mm	-
TG-IH3/PT1000-120	PT1000 (DIN class B)	1000 Ω (0°C)	120 mm	-
TG-IH3/PT1000-170	PT1000 (DIN class B)	1000 Ω (0°C)	170 mm	-
TG-IH3/PT1000-310	PT1000 (DIN class B)	1000 Ω (0°C)	310 mm	-
TG-IH3/NTC20-90	NTC 20	20 kΩ (25°C)	90 mm	Honeywell
TG-IH3/Ni1000-01-90	Ni1000	1000 Ω (0 °C)	90 mm	Siemens - Landis & Staefa
TG-IH3/NTC10-01-90	NTC10-01	10 kΩ (25°C)	90 mm	Aquatrol - Johnson Controls - Satch-well - Trend - Cylon - Honeywell - Distech

Accessories

Article	Description	Insertion length	Material
TG-DHW3-CLIP	Clip for mounting a TG-IH3 on a TG-DHW well	-	Stainless steel, EN1.4301(SUS304)
DR-50S	Well for probe	50 mm	Stainless steel, EN1.4301(SUS304)
DR-90S	Well for probe	90 mm	Stainless steel, EN1.4301(SUS304)
DR-120S	Well for probe	120 mm	Stainless steel, EN1.4301(SUS304)
DR-170S	Well for probe	170 mm	Stainless steel, EN1.4301(SUS304)
DR-310S	Well for probe	310 mm	Stainless steel, EN1.4301(SUS304)

Article	Description	Insertion length	Material
DR-50WA	Well for probe	50 mm	Acid-proof stainless steel, EN1.4401(SUS316)
DR-90WA	Well for probe	90 mm	Acid-proof stainless steel, EN1.4401(SUS316)
DR-120WA	Well for probe	120 mm	Acid-proof stainless steel, EN1.4401(SUS316)
DR-170WA	Well for probe	170 mm	Acid-proof stainless steel, EN1.4401(SUS316)
DR-310WA	Well for probe	310 mm	Acid-proof stainless steel, EN1.4401(SUS316)

Dimensions



[mm]

L1 = 108, for 90 mm insertion length

L2 = 98, for 90 mm insertion length

Documentation

All documentation can be downloaded from www.regincontrols.com.