



## General

This element is one of the most used in different field of application, it engage a leading role in the meteorological field, which can be correlated to other meteorological components, and it's used has a compensation data for structural monitoring.

The WE710 temperature sensor is an instrument suited for measuring temperature in different applications:

air, liquid, walls, stones, embedded in concrete, inserted into the ground etc.

The WE710 temperature sensor consists in a stainless steel housing that allow his use in all environments.

SIM has developed an adequate protection for all above situations, which, has the capability to assure long longevity to the sensor, without changing the sensible element features

For external applications SIM also provide, upon request, a solar shield.

Since has this sensor an electrical output, it can be easily read by any data acquisition system produced by SIM:

- A. MINILOG data acquisition system
- B. NATUN data acquisition system
- C. DATAVIEW read out unit

## Applications

Temperature measurement for internal and external mounting.

**Stainless steel housing**

**4-20 mA Output (optional)**

**Rugged ed low cost**

**Marine grade (optional)**



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## Technical features

Model	WE710 - PT	WE710 - AN	WE710 - CN
Supply	1 mA 12-30 Vcc*	12-30 Vcc	12-30 Vcc
Output	100 Ω a 0 °C (X-1000)/3.85	μA/K K= °C+273,15	μA/K K= °C+273,15
Range	-100÷104°C *	-25÷ 105°C	-50÷ 105°C
Precision	0.3°C	0.25°C	0.1°C

\* Output 4÷20mA ranges 0÷104°C , -50 ÷ +51°C , -100 ÷ +104°C

## Accessories & spare parts

WE710 - AX - SSH1	Solar shield
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WE710\_EN ED01/07



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