



General

The WE720 is a sensor suited for measuring relative humidity in inners, outers and mansonries applications.

The sensor produces an electrical output signal (0-1Vcc, 4-20mA), directly proportional to the percentage of the humidity measured.

Since the humidity is influenced from the temperature fluctuations, the measurement is automatically compensated by an internal thermistor (PT100).

For mansonries applications, the sensor should inserted in a hole and the measurement should be taken after 48 hours, in order to allow a stabilized readout.

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

Humidity measurement for inners and outers.

Implementation versatility

Easy to read

Optional solar shield



SIM
Strumenti e sistemi
per la geotecnica
per il controllo
di strutture e la
salvaguardia
dell'ambiente



For outdoors



For masonry



For indoors

Technical features

Supply	12 Vcc
Output	0 ÷ 1Vcc, 4-20mA
Range	0 ÷ 100 %RH
Operating temperature	-20 ÷ +80 °C
Linearity	±2%RH (5 ÷ 95 %RH a 10 ÷ 40 C°)
Additional error	<0,1% (<10°C >40°C)

Accessories & spare parts

WE720 - AX - SSH1	Solar shield
-------------------	--------------

WE720_EN ED01/07



SIM STRUMENTI SNC
 Via Merendi 42
 20010 Cornaredo (MI) - ITALY
 Tel. : +39 02 97003039
 Tel. : +39 02 97003329
 Fax : +39 02 97290167
 www.simstrumenti.com
 sim@simstrumenti.com



SIM

Strumenti e sistemi
 per la geotecnica
 per il controllo
 di strutture e la
 salvaguardia
 dell'ambiente