

## RH% AND TEMPERATURE TRANSMITTER HTA-150/12P

NOTICIAS DESIN NEWS

### % RELATIVE HUMIDITY AND TEMPERATURE TRANSMITTER TO OUTDOOR MOUNTING WITH 12 DISHES PROTECTOR

The **HTA-150/12P** is a relative humidity and temperature transmitter with double 4-20 mA 2-wire output allowing the transmission of each of the measures to distance. Especially indicated for outdoors mounting to environmental measuring

SENSOR TYPES	Capacitive polymer for RH Pt100 for temperature
SENSOR RANGES	Humidity Signal output: 4-20 mA (0 ... 100% RH) Temperature output signal: 4-20 mA (-40 ... +80 °C)
ACCURACY	Sensor Humidity: 10% RH to 90% RH: ± 2% RH Temperature sensor: ± 0.1% Repeatability: 0.2%
RESOLUTION	Zero and Span: Adjustable inside Adjustment range: ±5 %
ELECTRICAL	Power supply: 24 Vdc by the same 2-wire signal line Enclosure: Aluminium painted - IP-65 except the inlet Outlet: IP65 gland nut. Cable Ø 5 mm min.. Connection: shielded cable 0,5 mm <sup>2</sup>
MOUNTING	SS support with flange to mast 12 dishes protector against sunlight, rain and wind for HTA-150 probe (is supplied always together) Material: UV resistant thermoplastic
DIMENSIONS	160 mm high x Ø 124 mm



These **HTA-150/12P** transmitters for outdoor installation are based on a capacitive sensor with dielectric polymer, which delivers an electrical signal varies according to the ambient %RH.

This type of sensors avoid erroneous readings and eliminate the problems associated with conventional mechanical probes based in elastomer fibre expansion system, since it is based on the electrical parameter variation has no moving parts requiring maintenance.

The capacity variation of the sensor is converted into in a 4-20 mA normalized 2-wire loop signal for sent to specialized measuring instruments or control, and used to give a direct indication in units %RH or an automatic regulation of humidity .

The **HTA-150/12P** transmitters also have a separate circuit for measuring temperature based on Pt100 sensor, also with 4-20 mA 2-wire.

The converter circuit is housed in a small molded ABS waterproof box that is fitted to a guard of 12 dishes to be installed in outdoor environments subjected to sun, rain and wind.

The probe **HTA-150/12P** can be supplied for mounting independently or in conjunction with different measuring instruments, control or datalogger ..

Distributed by: