

Humidity & Temperature Transmitter

for indoor Applications



PalManDaeJangKyung

It is the second plates of sutra made in Kwangwha Island during the King Gojong period(1237~1251AD) of the Mogolian invasion in 1233. The 'PalManDaeJangKyung' of Hain Temple is the world oldest wooden plate of the kind that it, along with the Plate Pavilion, has been designated as the world heritage.



THW20 or THW30

ACCURATE AND RELIABLE MEASUREMENT

The THW-?0 transmitters are designed for use in close control air conditioning applications where accurate and stable measurement and temperature and control of relative humidity and temperature is required. They are the ideal choice for demanding energy management applications.

SPECIAL FEATURES

- THW - ?0: True two-wire transmitter
- with 4~20mA loop powered output
- Full 0~100%RH measurement
- Excellent long-term stability
- Up to $\pm 2\%$ RH accuracy

APPLICATIONS

- Test room & clean rooms
- Semi-conductor industry
- Air-conditioning engineering
- Food processing industry
- Museum showcase, fine art gallery
- Ever space storage vault system
- Building construction
- Green houses.
- Printing, paper mill
- Film production
- Warehousing. Laboratories

The capacitive humidity sensor has excellent accuracy and long-term stability as well as negligible hysteresis, and high resistance against chemical pollutants. It is also insensitive to dust and most chemicals

WWW.TSTEC.KR

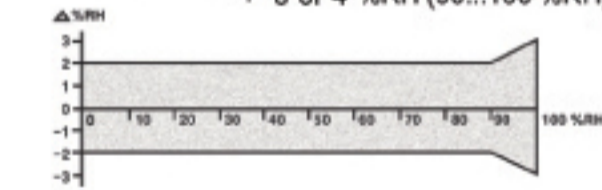


The interaction between people and the environment

TECHNICAL DATA - THW 20 or THW 30

RELATIVE HUMIDITY

Measuring range 0...100 %RH
Accuracy(at +20 °C) ± 2 or 3 %RH (0...90 %RH)
 ± 3 or 4 %RH (90...100 %RH)

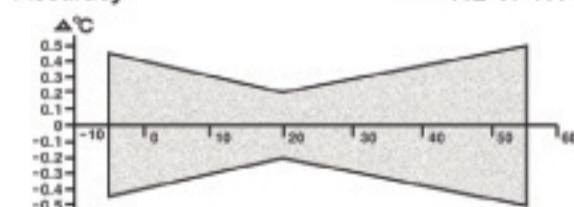


Humidity sensor

Capacitive sensor

TEMPERATURE

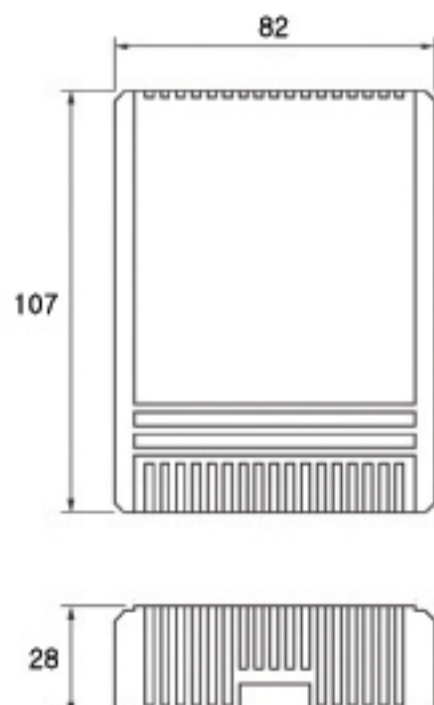
Measuring Range -5~+55 °C
Wall Type -5~+55 °C
Duct. Probe Type -20~+80 °C
Accuracy ± 0.2 or 0.3 °C



Temperature Sensor

PT100 CLASS A
PT1000 CLASS 1/3B

DIMENSIONS



GENERAL -

Supply Voltage DC15~38V
Output Signal 4~20mA
Housing ABS Plastic

ORDERING CODE

THW-20? → T: Temperature Transmitter
THW-30? → 4~20mA
R: RTD PT100 Ω

TW-? → R: (RTD, PT 100 Ω, 3.4-wire)
T: (4~20mA, TRANSMITTER)

- MODEL 선정 -

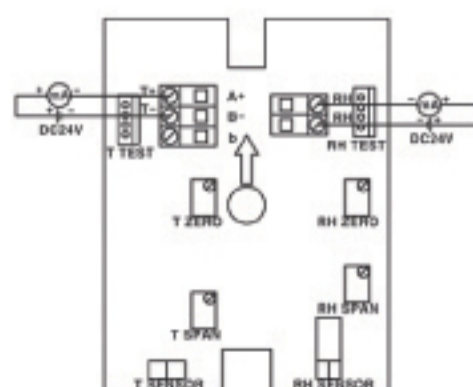
THW-20 : 습도(2%) 4~20mA
THW-20T : 습도(2%) 4~20mA, 온도 4~20mA
THW-20R : 습도(2%) 4~20mA, 온도 (저항출력)

THW-30 : 습도(3%) 4~20mA
THW-30T : 습도(3%) 4~20mA, 온도 4~20mA
THW-30R : 습도(3%) 4~20mA, 온도 (저항출력)

TW-T : 온도 4~20mA
TW-R : 온도 (저항출력)



Wiring



Dimensions in mm



주소 : 경기도 부천시 원미구 도당동 95-2 와이제니스파크 702호
TEL : 032) 683-8411 (대표), 02) 2109-8411 FAX : 032) 683-8412
E-MAIL : tstec@tstec.kr www.tstec.kr www.temperature.co.kr