



## METEOROLOGICAL INSTRUMENT FOR TEMPERATURE MEASUREMENT

### ED-PT100 TEMPERATURE SENSOR

ED-PT100 Temperature sensor is designed for air temperature measurements and is composed of a PT-100 sensor, surrounded by a radiation screen to protect the temperature probe from solar radiation when the velocity of the surrounding air mass is 0.5m/sec or higher.

The Temperature Sensor is delivered with 2m of 4x0.25<sup>2</sup> Teflon cable.



SPECIFICATIONS FOR ED-PT100 TEMPERATURE SENSOR

SENSOR TYPE: 1 x PT-100, 4-WIRE, CLASS A or CLASS B

TEMPERATURE RANGE: -40°C to +70°C

ACCURACY: CLASS A: +/- 0.15°C at 0°C, IEC 751  
delta t(°C) = +/- (0.15 + 0.002xt)

CLASS B: +/- 0.3°C at 0°C, IEC 751  
delta t(°C) = +/- (0.3 + 0.005xt)

RESPONSE TIME  
at 20°C and 2m/s: T 0.5 = 55 sec.  
T 0.9 = 170 sec.

SELF-HEATING: Less than 0.01°C at 1mA

CABLE: 4 x 0.25<sup>2</sup> Teflon, length = 2 meter

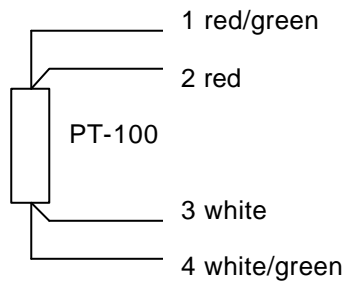
PHYSICAL:

DIMENSIONS: 210mm(h) x Ø60mm(d)

WEIGHT: 0.27kg

MOUNTING HOLE: Ø25mm

MOUNTING TAP: Ø25mm(d) x 60mm(h), M10 Mounting



SERIAL NO: \_\_\_\_\_

SENSOR TYPE: \_\_\_\_\_ CALIBRATION: \_\_\_\_\_

DATE: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_