

Pessl Instrument Air Temperature & Relative Humidity Sensor

Order number: IMS26TR-SHLD

Measures air temperature and relative humidity and is used for low power consuming applications on µMETOS CLIMA (LoRaWAN™, NB-IoT) and iMETOS ECO D3.

I2C Bus Considerations: I2C Bus is sensitive to the electromagnetic waves and can be distorted under certain conditions. On the contrary, Hygroclip is less sensitive. Recommended cable length: not longer than 1 m.

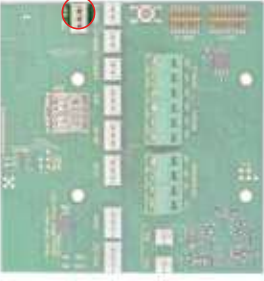


CONNECTION TO MOTHERBOARDS

iMETOS ECO D3



µMETOS NB-IoT/CLIMA



TECHNICAL SPECIFICATIONS

Sensor	HYT221
Operating temperature range	-40°C to +125°C
Humidity range	0% to 100% RH
Accuracy	±0.2°C (0°C to +60°C) ±2 % RH at +23 °C (0% to 90% RH)
Operating voltage	2.7V to 5.5V
Digital interface	I²C, address 0x28 or alternative address
Operating voltage (limit data)	0.3 V to +6 V
Storage conditions	-20 °C to +50 °C