

Humidity Temperature Meter/Barometric pressure

The changes of Atmospheric Pressure
When the pressure drops below 1000, it will rain.
When the pressure rises up to 1000, the weather will turn fine.

When the air pressure at the seaside suddenly changes drastically, there is a possibility that a tsunami will occur.

Fish and shrimp farming pay attention to temperature, humidity, and atmospheric pressure changes.



TES-1160 / TES-1161

Thermo / Hygro / Barometer

Product Features

- Triple LCD displays Barometric pressure, Temperature, and Relative humidity.
- Dew point and Wet bulb temperature reading.
- Absolute humidity, Mixing ratio and Enthalpy reading.
- Water vapor pressure and Water saturation pressure reading.
- Pressure trend and tendency (P3h) reading.
- Heat Index and Humidex reading.
- MAX/MIN with Time Stamp. ☐ Comparator function.
- Alarm output function.
- Auto power off function.
- Data Hold function.
- LCD backlight control function.
- Manual data memory and read function.
- Auto data logger function. (1161)
- USB Interface. (1161)

PECIFICATIONS

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|------------------------------------|---|
| Measurement range | Humidity : 0% to 100%R.H. Temperature : -40°C to +100°C (-40°F to +212°F) Atmospheric pressure : 300 to 1200hPa |
| Resolution | 0.1% R.H., 0.1°C, 0.1°F, 0.1hPa |
| Accuracy | Temperature : ±0.4°C(at +5°C to +60°C) ±0.8°C(at -20°C to 5°C and +60°C to +80°C) ±1.2°C(at -40°C to -20°C and +80°C to +100°C) ±0.8°F(at +41°F to +140°F) ±1.6°F(at -4°F to 41°F and +140°F to +176°F) ±2.4°F(at -40°F to -4°F and +176°F to +212°F) Humidity : ±3%RH (at 25°C, 20 to 80% RH) ±4%RH (at 25°C, 10 to 20% RH and 80 to 90% RH). ±5%RH (at 25°C, 0 to 10% RH and 90 to 100% RH). Atmospheric pressure : ±2hPa at 25°C, ±4hPa at -20 to 85°C |
| Response time (at 1m/s air flow) | Humidity : τ63% < 10s (from 33 to 75% RH) Temperature : τ63% < 10s (from 15°C to 45°C) |
| Display refresh rate | 1s in FAST mode, 1s to 5s in dynamic mode |
| Data memory capacity | 99 sets. (Direct reading from LCD display) |
| Data logger capacity | microSD CARD 4GB (Maximum 200 blocks) (1161) |
| Alarm output | Open-collect output. Input impedance: 490Ω Maximum applied Voltage: 24V DC Maximum drive current: 50mA DC |
| Operating temperature and humidity | 0°C to 60°C, below 95% R.H. |
| Storage temperature and humidity | -10°C to 60°C, below 70% R.H. |
| Power supply | 006P 9V or IEC6F22, NEDA 1604 battery |
| Battery life | Approx. 1 months |
| Dimensions | 249×64×26mm (9.8"×2.52"×1.02") |
| Weight | Approx. 178g (6.3oz) |
| Accessories | Instruction manual, Battery, Carrying case, CD software (1161) , Micro-USB cable (1161) . |
| Optional accessory | AC adaptor DC9V (1161) |