



**COMET SYSTEM, s.r.o.**

Bezrucova 2901  
756 61 Roznov pod Radhostem  
CZECH REPUBLIC  
Tel.: +420 571 653 990

E-mail: [info@cometsystem.com](mailto:info@cometsystem.com)

## C3121P Thermo-hygrometer for compressed air measurement



code: C3121P

Thermometer, hygrometer is designed for direct measurement of temperature, relative humidity for compressed air up to 25 bars with 1m cable. Audio and optical alarm of measured values. Memory of minimum and maximum measured values. Function Hold - manual storing of actual values for later displaying.

Simultaneous reading of temperature and relative humidity, dew point temperature reading selectable, external temperature-humidity probe with 1meter cable. Cable lengths 2 and 4 meters available optionally.

Included in delivery:

- Instrument including the battery
- Traceable calibration certificate
- Instruction manual
- Plastic transport case
- Connector for external ac/dc adapter

### Technical Data

Technical parameters	Value
Measured Value	Temperature + Relative Humidity
Construction Type	Compressed Air Humidity up to 2.5MPa
Temperature Measuring Range	-30 to 105 °C
Data Logging Function	No
Operating temperature range	-10 to +60°C
Temperature sensor	RTD Ni1000/6180ppm
Accuracy of temperature measurement with built-in sensor	±0.4°C
Accuracy of air humidity measurement	±2.5%RH from 5 to 95% at 23°C, resolution 0.1%

Dew point temperature range	-60 to +80 °C
Accuracy of dew point temperature (for more details see instruction manual)	±1.5°C for dew point temperature +10°C and higher at ambient temperature +25°C
Accuracy of dew point temperature	±2.0°C for dew point temperature 0°C at ambient temperature +25°C
Accuracy of dew point temperature	±3.0°C for dew point temperature -10°C at ambient temperature +25°C
Accuracy of dew point temperature	±6.0°C for dew point temperature -20°C at ambient temperature +25°C
Power	battery 9V
Battery life	4 months typically
Dimensions	141 x 71 x 27 mm, probe length 150mm, probe diameter 18mm
IP protection	IP20 instrument, IP40 T+RH probe
Mechanical connection of the probe	G1/2 with O-Ring
Length of the probe cable	1m, 2m or 4m optionally
Weight including battery without probe	approximately 150 g
Warranty	3 years