

Commeter

Handheld for measuring and recording



- Measurement and recording of:
 - Temperature
 - Humidity
 - Dew point temperature
 - Atmospheric pressure
- Accurate measurements from up to two temperature probes
- Device versions with and without memory
- Acoustic and visual indication of alarm states
- Data processing in configuration and analytical software Comet Vision 2.0
- Option to set up the device using a keyboard
- USB communication interface
- Backlit display

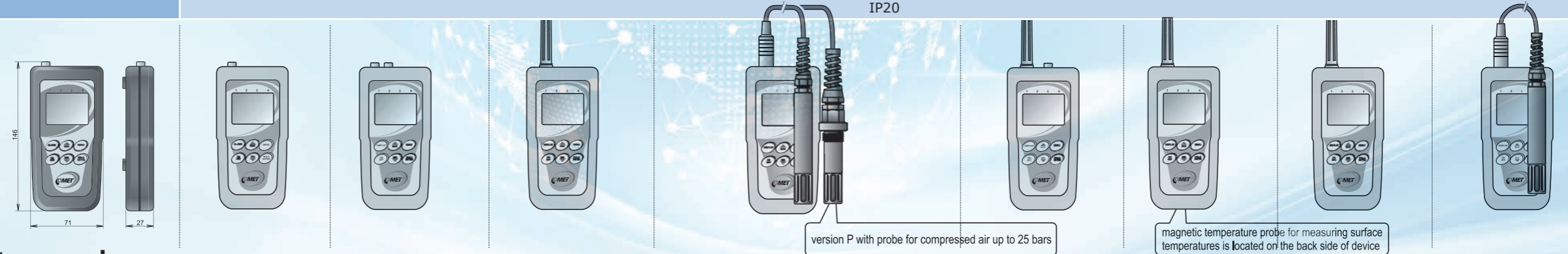
product catalog



MEASURED VALUES		Temperature		Temperature + relative humidity				Temperature + relative humidity + atm. pressure			
model	without record	C0111	C0121	C3120	C3121	C3121P	C3631	C3633	C4130	C4141	
	with record	D0211*	D0221*	D3120	D3121	D3121P	D3631	D3633	D4130	D4141	
temperature	range	-50 to +250°C		-10 to +60°C	-30 to 105°C		-50 to 250°C	-10 to +60°C	-30 to 105°C		
	accuracy of RTD Ni1000	±0.4°C in range -50 to +100°C, ±0.5% for T > 100°C									
relative humidity	range	-	5 to 95 % RV	0 to 100 % RV			5 to 95 % RV		0 to 100 % RV		
	accuracy	±2.5 %RV in range 5-95% for 23°C									
dew point	range	-40 to +60°C									
	accuracy	±1,5°C for temperature T < 25°C a RV > 30%									
barometric pressure	range	-							800 to 1100hPa		
	accuracy	-							±2 hPa for 23°C		
power	battery	9 V									
	power adapter	12 Vdc									
typical battery life in months		6		4				2			
protection class		IP20									

* It works well with probes Pt 1000 in the range of -200 to 500 °C

accuracy of RTD Pt1000 sensor:
 ±0.3°C in range -50 to +100°C
 ±0.3% for T > 100°C
 ±0.6% for T < -50°C



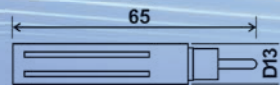
version P with probe for compressed air up to 25 bars

magnetic temperature probe for measuring surface temperatures is located on the back side of device

External temperature probes

Temperature probes on the cable are designed to measure the temperature in specific applications. Probes are supplied in lengths of 1, 2, 5 and 10 meters. To maintain high accuracy measurements it is not recommended to use probes with lengths greater than 20 meters. Probes are manufactured in accuracy of class A, unless stated otherwise.

A fast, accurate air probe with a quick response time, but without moisture protection.



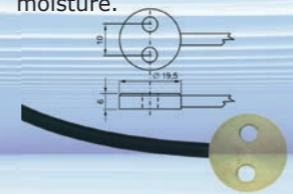
100-60, Ni1000 (-30°C to +80°C)

Universal temperature watertight probe with IP68 for long-term monitoring of temperature in the liquid.



N1ATG68/C, Ni1000 (-80°C to +200°C)

A brass probe for surface temperature measurements. The probe is not resistant to moisture.



N1ATG7/C, Ni1000 (-30°C to +200°C)

POWER SUPPLY

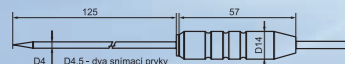
A1515 power adapter 12 Vdc



Commeter series D comes in a case for safe storage and transportation. There is also a place for accessories.



Hand-held probe with a pointed tip for the food industry, featuring a teflon handle and silicone cable.



0061-200/C, Ni1000 (-30°C to +200°C)

Direct surface probe with RTD Ni1000, cable length 1m.



031-150/C, Ni1000 (-30°C to 150°C)

Surface temperature probe.



031-60, Ni1000 (-30°C to 60°C)

A3400 - NiMH rechargeable accumulator





F5300 - Teflon sensor cover with increased resistance against splashing water. The cover is not suitable for applications with a risk of condensation. Filtering ability: 0.025mm.



F0000 - Sintered bronze sensor cover suitable for moderately aggressive environments. Filtering ability: 0.025mm.



F5200B - Sensor cover with filter from stainless steel mesh, suitable for moderately dusty environments. Filtering ability: 0.025 mm.

Sensor covers for improved protection for external probes

Temperature and humidity probe.

Temperature and humidity probe on a cable.

Inputs for up to two Ni1000 temperature probes. Commeter models D0211 and D0221 can also measure in conjunction with Pt1000 probes.

USB port for easy connection to a PC (D series only).

Measured values are displayed on a backlit display.

The device can be set from the keypad.

The measured values are stored in the internal nonvolatile memory for 16 000 records.

Battery is included.

Built-in acoustic alarm.

