

Wireless ALMEMO® Sensor for Carbon Dioxide, Temperature and Air Pressure FY 1700-1CO2M0B05



- To assess the air quality via the measurement of the CO₂ concentration.
- At the same time to assess the quality of stay (comfort) via the measurement of air temperature.
- Sleep mode for long operating time with rechargeable battery.

Technical data

Measuring input:	built-in multi-sensor element for carbon dioxide, temperature and air pressure	Date and time-of-day:	clock synchronization via data logger ALMEMO® 470-1
Galvanic Isolation:	yes (wireless)	Power supply:	
Channels:	up to 4 measuring channels	Rechargeable battery:	2 rechargeable NiMH batteries AA (1900 mAh)
measuring ranges:	CO ₂ : up to 5000 ppm temperature: -5 to +50 °C Air pressure: 700 to 1100 mbar	Operating time with rechargeable battery:	depending on measuring cycle, output cycle, sleep mode
Accuracy:	CO ₂ : ±(50 ppm + 3 % of measured value) temperature: typical ± 0.5 °C (at 25 °C) air pressure: typical ± 2 mbar	mains adapter:	ZB 1505-NA1 100 to 240 VAC to 5 VDC, 2 A, galvanically isolated, via micro USB
Nominal conditions:	25 °C , 1013 mbar	Operating temperature:	-5 to +50 °C 0 to 95 % r.H. (non condensing) 700 to 1100 mbar
Ansprechzeit t63:	140 s	Storage temperature:	-20 to +60 °C
Response time t63:	140 s	Housing:	
Switch-on time:	15 s	Protection class:	IP20
Refresh rate:	15 s for all 3 channels	Dimensions:	43 x 186* x 22 mm (WxHxD) (without mount) (*incl. protective cap)
Measuring cycle*:	10 s to 24 h	Weight:	approx. 0.1 kg (including rechargeable batteries)
Output cycle*:	10 s to 24 h		
Interfaces:	Radio, repeater function integrated** USB for supply and update		
Standard equipment:			
Display:	3 LEDs		
Keypad:	foil keypad		
Memory:	ring memory for 128 measured values		

* depending on the number of data logged with the data logger ALMEMO® 470-1 connected wireless sensors

** Repeater operation not in sleep mode

Standard delivery (Power supply unit see under accessories)

Wireless ALMEMO® sensor (repeater function integrated) with built-in multi-sensor element for carbon dioxide, temperature and air pressure, ring memory, built-in rechargeable battery

Order no.

FY17001CO2M0B05