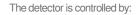


## **ACMD-200**

## WIRELESS CARBON MONOXIDE DETECTOR

**ACMD–200** is a wireless carbon monoxide (CO) detector that senses the dangerous concentration of this gas in a monitored room. It can work independently or as part of a two–way wireless **ABAX 2** system.

- electrochemical carbon monoxide detector
- digital temperature compensation
- test function
- LED for optical signalling
- piezoelectric transducer for acoustic signalling
- monitoring of the gas sensor
- battery status check
- operation in ABAX 2 wireless system:
  - encrypted two-way radio communication in the 868 MHz frequency band (AES standard)
  - diversification of transmission channels 4 channels allow automatic selection of the channel that guarantees transmission without interference with other signals in the 868 MHz frequency band
  - ECO option for extended battery life
  - built-in temperature sensor (temperature measurement from 0 °C to +55 °C)
  - o tamper protection against opening the enclosure



- ACU-220 or ACU-280 system controller
- ARU-200 signal retransmitter



## **TECHNICAL DATA**

Max. current consumption         120 mA           Weight         153 g           Maximum humidity         93±3%           Operating frequency band         868,0 ÷ 868,6 MHz           Battery         CR123A 3V           Dimensions         ø108 x 54 mm           Temperature measurement accuracy         ±1 °C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0 °C+55 °C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Operating temperature range	0°C+55°C
Maximum humidity         93±3%           Operating frequency band         868,0 ÷ 868,6 MHz           Battery         CR123A 3V           Dimensions         ø108 x 54 mm           Temperature measurement accuracy         ±1 °C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0 °C+55 °C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Max. current consumption	120 mA
Operating frequency band         868,0 ÷ 868,6 MHz           Battery         CR123A 3V           Dimensions         ø108 x 54 mm           Temperature measurement accuracy         ±1°C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0°C+55°C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Weight	153 g
Battery         CR123A 3V           Dimensions         ø108 x 54 mm           Temperature measurement accuracy         ±1°C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0°C+55°C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Maximum humidity	93±3%
Dimensions         ø108 x 54 mm           Temperature measurement accuracy         ±1°C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0°C+55°C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Operating frequency band	868,0 ÷ 868,6 MHz
Temperature measurement accuracy         ±1°C           Radio communication range (in open area) for ACU-220         up to 2000 m           Radio communication range (in open area) for ACU-280         up to 1200 m           Temperature measurement range         0°C+55°C           Battery life (autonomous operation) - in years         up to 5           Standby mode current consumption (autonomous operation)         14 μA           Expected battery life (ABAX 2) - in years         up to 2	Battery	CR123A 3V
Radio communication range (in open area) for ACU-220       up to 2000 m         Radio communication range (in open area) for ACU-280       up to 1200 m         Temperature measurement range       0°C+55°C         Battery life (autonomous operation) - in years       up to 5         Standby mode current consumption (autonomous operation)       14 μA         Expected battery life (ABAX 2) - in years       up to 2	Dimensions	ø108 x 54 mm
Radio communication range (in open area) for ACU-280     up to 1200 m       Temperature measurement range     0°C+55°C       Battery life (autonomous operation)- in years     up to 5       Standby mode current consumption (autonomous operation)     14 μA       Expected battery life (ABAX 2)- in years     up to 2	Temperature measurement accuracy	±1°C
Temperature measurement range       0 °C+55 °C         Battery life (autonomous operation) - in years       up to 5         Standby mode current consumption (autonomous operation)       14 μA         Expected battery life (ABAX 2) - in years       up to 2	Radio communication range (in open area) for ACU-220	up to 2000 m
Battery life (autonomous operation) - in years     up to 5       Standby mode current consumption (autonomous operation)     14 μA       Expected battery life (ABAX 2) - in years     up to 2	Radio communication range (in open area) for ACU-280	up to 1200 m
Standby mode current consumption (autonomous operation) 14 µA  Expected battery life (ABAX 2) - in years up to 2	Temperature measurement range	0°C+55°C
Expected battery life (ABAX 2) - in years up to 2	Battery life (autonomous operation) - in years	up to 5
	Standby mode current consumption (autonomous operation)	14 μΑ
CI II (ADAVO)	Expected battery life (ABAX 2) - in years	up to 2
Standby current consumption (ABAX 2) 62	Standby current consumption (ABAX 2)	62
Low battery notification voltage 2,75 V	Low battery notification voltage	2,75 V

