

[Home](#) » [Products](#) » [Indoor air quality](#) » **Siro-MOD**

## SIRO-MOD

Multifunctional indoor air quality transmitters for building automation systems with Modbus communication

Siro-MOD is an indoor air quality transmitter with Modbus communication. Siro-MOD has a modern design and new hardware, including sensors. The transmitter is available with several optional air quality sensors including temperature, relative humidity, CO<sub>2</sub> concentration, VOC (Volatile Organic Compounds) and PM (Particulate Matter). It offers easy installation and adjustment, several different model options and various output signals that are configurable separately for each measurement parameter. Siro utilizes the industry standard NDIR measurement principle with self-calibrating ABC logic™ for CO<sub>2</sub> measurement.



### TECHNICAL DETAILS

Communication:	RS-485 Modbus (RTU)
Accuracy:	CO <sub>2</sub> : ±30 ppm + 3 % of reading (typical) Relative humidity: ±2.2 % rH (typical at 20 °C, 30 % rH) Temperature: ±0.4 °C (typical at 20 °C) TVOC: ±15 % of reading (typical) PM: 0...100 µg/m³: PM2.5: ±15 µg/m³; PM1.0, PM10: ±25 µg/m³ 100...1000 µg/m³: PM2.5: ±15 %; PM1.0, PM10: ±25 % (at 25 °C ±5 °C)
Measuring units:	CO <sub>2</sub> : ppm Relative humidity: % rH Temperature: °C VOC CO <sub>2</sub> eq: ppm TVOC: ppm, µg/m³ PM1/2.5/10: µg/m³
Calibration (CO <sub>2</sub> ):	Automatic self-calibration, ABC Logic™
Supply voltage:	24 VDC/VAC ±10 %
Operating temperature:	0...+50 °C
Protection standard:	IP20

## SIRO-MOD

Example Siro-CO2-T-D	Product series						
	Siro	Indoor air quality transmitter					
		Model type					
		-MOD	With Modbus communication				
			CO <sub>2</sub> sensor				
			-CO2	With CO <sub>2</sub> sensor (option not available with PM sensor)			
				Without CO <sub>2</sub> sensor			
				VOC sensor			
				-VOC With VOC sensor (option not available with PM sensor)			
				Without VOC sensor			
				PM sensor			
			-PM	With PM sensor (option not available with CO <sub>2</sub> and VOC sensors)			
				Without PM sensor			
				Relative humidity sensor			
				-rH With relative humidity sensor			
				Without relative humidity sensor (option not available with VOC sensor)			
				Temperature sensor			
			-T	With temperature sensor			
				Without temperature sensor (option not available with VOC or rH sensor)			
				Output			
				Voltage output			
			-A	Voltage and current output			
				Display			
			-D	With display			
				Without display			
Model	Siro	-MOD			-PM	-T	-D

Other Indoor air quality:

<div>CMT</div>
<div>Siro</div>

## HK INSTRUMENTS

USER-FRIENDLY MEASURING DEVICES



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