

ColiMinder Technical Overview

The ColiMinder® is a fully automated system measuring microbiological quality of liquid samples.

KEY FEATURES

- 15 minutes time to result
- fully automated sampling, measurement, cleaning, and calibration
- 2 sample intakes (more optional)
- no sample pre-treatment needed
- turbidity is compensated
- All functions and programming can be performed through remote control
- online data visualization and automatic notification
- calibrated according to the respective scientific definition of enzymatic activity
- results are given in the respective scientifically defined units
- Up to 1.000 measurements without staff intervention

DATA TRANSFER AND VISUALIZATION

- ✓ Measurement data transmitted to server through internet/network connection
- ✓ Live data visualization on dedicated website, results can be downloaded
- ✓ Automatic notifications can be set (E-mail, SMS)
- ✓ Measurement results available upon request through RS232/RS485 or Modbus TCP
- ✓ 4 to 20 mA output optional
- ✓ Measurement results can be stored to USB Stick directly from the device.

CONNECTION PORTS

- ✓ Wi-Fi
- ✓ LAN
- ✓ Internal GPRS/LTE – Modem
- ✓ RS232 / RS485
- ✓ USB
- ✓ HDMI - output
- ✓ Alarm – Relay output or alarm flashlight
- ✓ Auto sampler control port (ISCO)

AVAILABLE ADD-ON MODULES

- ✓ Sample Carousel for 12/24 samples (for lab use)
- ✓ Sample Delivery Module (different models)
- ✓ Depressurization unit
- ✓ Sample switching module (up to 12 samples)
- ✓ Multisampling unit for 10 samples
- ✓ ISCO Auto sampler Control Module



Device Versions - Overview

ColiMinder®	Industrial Standard CMI-02	Industrial Silent CMI-02-S	Low Energy CMI-02-LE	Mobile (Emergency Response Unit) CMI-02-M
Power Consumption	86-264 VAC 150 W	86-264 VAC 150 W	12 V DC 35W max 55 W	12 V DC 35W max 55W
Power Supply	AC	AC	external batteries car/boat 12V DC solar power / external AC-DC converter	Internal / external batteries car/boat 12V DC solar power / external AC-DC converter
Max Environmental Temp.	< 40°C (45°C)	< 32°C (38°C)	< 35°C (40°C)	< 35°C (40°C)
Modules - included	-	-	-	Assembled on a rack: 10-fold multisampler, battery connection, canisters for all consumables
Measurement Frequency	56 per day (up to 80)	56 per day (up to 80)	56 per day (up to 80)	56 per day (up to 80)
Reagent Holding Capacity	1000 Measurements	250 Measurements	1000 Measurements	1000 Measurements
No. of sample intakes	2	2	2	10 (2)
Housing	Powder-coated aluminum	Powder-coated aluminum	Powder-coated aluminum	Powder-coated aluminum
Protection class	IP65	IP65	IP65	IP65
Dimensions W x H x D (cm)	50 x 50 x 21	50 x 50 x 21	50 x 50 x 21	56 x 56 x 64
Weight	17 kg	17 kg	15 kg	45 kg (incl 2 x 20 Ah battery)

