

ColiMinder® – CMI-02

ColiMinder® is a fully automated system measuring microbiological contamination 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
- ✓ automatic sample dilution possible
- ✓ 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 activities
- ✓ results are given in the respective scientifically defined units
- ✓ Up to 1.000 measurements without staff intervention
- ✓ Add-on modules “developed in the field” available



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.

TARGET ORGANISMS

available for ① Fresh Water | ② Saline Water



E. COLI ①②

Specific indicator of faecal pollution



ENTEROCOCCI ①②

Specific indicator of faecal pollution



TOTAL ACTIVITY ①②

Bulk parameter of total microbiological activity

Add-on modules

- All add on modules can be used in each model
- Sample Delivery Module (different models)
 - Depressurization unit
 - Sample switching module
 - ISCO Auto sampler Control Module
 - GPS Position Sensor
 - Sample line extension up to 10 sample lines
 - Wall-mounted or stand-alone rack (for Industrial Standard and LE version)

ColiMinder®	Industrial Standard CMI-02	LE - Low Energy CMI-02-LE	ERU – Emergency Response Unit CMI-02-ERU	Mobile CMM-02
Modules				
Measurement Head	MH02	MH02	MH02	MH02
Reagent Cooling Unit	120 W	15 W	15 W	15 W
Power Consumption	86-264 VAC 150 W	12 V DC 35W max 55 W	12 V DC 35W max 55W	12 V DC 35W max 55W
Power Supply	AC	external batteries car/boat 12V DC solar power or external AC-DC converter	Internal batteries external batteries car/boat 12V DC solar power or external AC-DC converter	Internal batteries external batteries car/boat 12V DC solar power or external AC-DC converter
Max Environmental Temp.	< 40°C (45°C)	< 35°C (40°C)	< 35°C (40°C)	< 32°C (38°C)
Modules - included			ColiMinder LE, 10-fold multisampler, battery connection, rack for mobile use, all required canisters	
Internal Modem	Yes	Yes	Yes	Optional / on demand
Specifications				
Measurement time	15 min.	15 min.	15 min.	15 min.
Full working cycle incl. automated cleaning	< 30 min.	< 30 min.	< 30 min.	< 30 min.
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 Capacity	1000 Measurements	1000 Measurements	1000 Measurements	250 Measurements
Max number of different cleaning solutions	3	3	3	1
No. of sample intakes	2	2	10 (2)	1
Housing	Powder-coated aluminum	Powder-coated aluminum	Powder-coated aluminum	PELI Mod. 1440 (Yellow)
Protection class	IP65	IP65	IP65	IP67
Dimensions W x H x D (cm)	50 x 50 x 21	50 x 50 x 21	56 x 56 x 64	50 x 30.5 x 45.7
Weight	17 kg	15 kg	45 kg (incl 2 x 20 Ah battery)	16 kg (incl 15 Ah battery)
Picture				