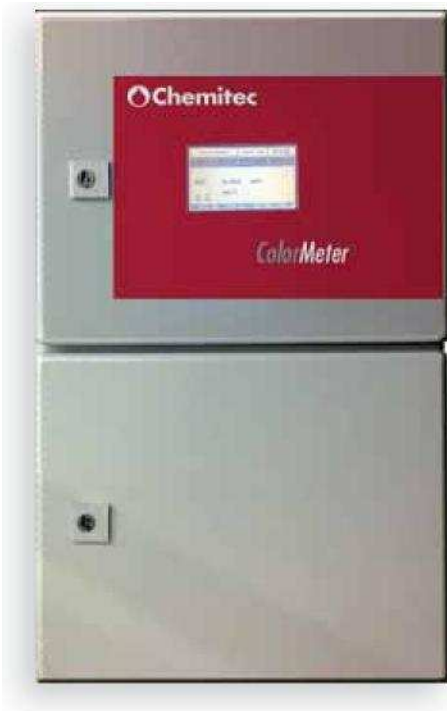


Online Compact Colorimetric analyzer



MEASURES

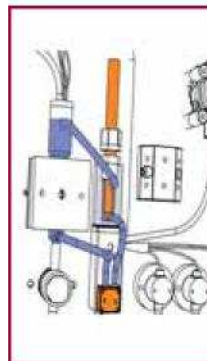
- ALUMINIUM
- AMMONIA
- BORON
- CYANIDE
- CHLORINE
- CHLORIDE
- CHROMIUM VI
- HARDNESS
- FENOLO
- IRON
- PHOSPHATE
- MANGANESE
- NICKEL

-NITRATES

-NITRITES

-COPPER-SILICA – SULPHATES-
SULPHIDES-TP-ZINC

General Features



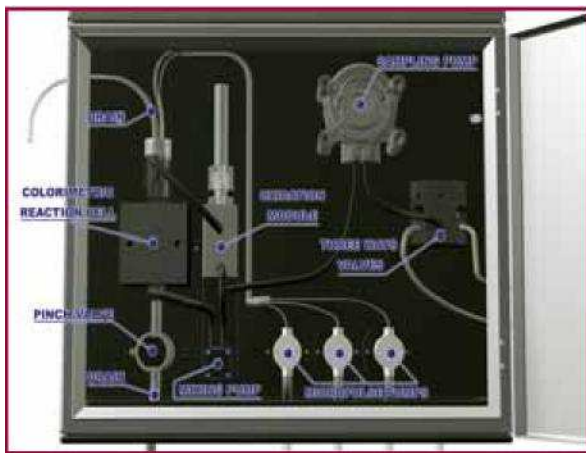
- Touchscreen user interface easy to use- Heated colorimetric cell(about 35 ° C)
- Calibration / validation / automatic cleaning
- In-built sample peristaltic pump
- Sample recirculation barrel with level contact
- Separate waste line for sample containing reagents
- Sampling mode : discontinuous frequency set
- Programmable Analysis
- Sensitive to low concentrations
- Compact dimensions 370 x

600 x 210 mm - Weight approx. 20 Kg

- Rugged and Reliable. Design for the industrial and environmental on-line applications , ensures highest levels of robustness in the electronics, mechanics and hydraulics components.
- Easy to install, the analyzer is delivered after a long series of positive tests, made at the factory, comes with a start up kit ready for installation. To start measurement is enough to power the analyzer and connect reagents, sample and waste line.

Applications

- Drinking water
- Operational efficiency of sewage treatment plants
- Industrial water analysis



- Complete separation between hydraulics and electronics

General Specifications

Measuring Principle	Colorimetric
Measuring Range	in relation to the analytical method used
Measuring Time	Approx. 8 minutes
Analysis Frequency	Operator selectable
Maximun Error	2% full scale of measuring range
Thermostatic	Integrated
Reagents / Cleaning solution	in relation to the analytical method used
Analog Outputs	2 analog outputs 4-20 mA
Alarms	2 relays (2 SPDT contact threshold and malfunction)
Autocleaning	Integrated
Filtration	Optional, depending on the sample matrix
Protezione	IP54 (IP65 on request)
Ambient Temperature	>0 -45°C

Sample Temperature	>0 -45°C
Datalogger	Integrated (optional)
Power	110/130 o 220-240 Vac / 80 VA / 50-60 Hz
Operating Costs	Extremely limited
Dimension	600mm x 370mm x 210mm
Weight	Approx. 20 kg
Installation Time	Few minutes

Heavy Metals Data Sheet:

Copper	Application data sheet
Method description	Copper (I) ions form an orange-colored complex with the bathocuproine in a buffered solution at pH 4,5. Any copper (II) ions present in the water sample are previously reduced to copper (I) ions before the complex is formed.
Wavelength:	470 nm
Parameter:	Cu^+ & Cu^{2+}
Range:	0-1000ppb
Cell diameter:	24 mm
Analysis Time:	10 minutes
Number of reagents:	3
Accuracy:	$\pm 5\%$
Repeatability:	$\pm 2\%$
Detection limit:	10 ppb

Cyanide	Application data sheet
Method description	The determination procedure is based on the reaction in a buffered cyanide with chloramine-T to form cyanogen chloride, which then reacts with pyridine and barbituric acid to form a red-violet colored complex. Photometric reading is performed at 580 nm.
Wavelength:	580 nm
Parameter:	Cyanide
Range:	0-500ppb
Cell diameter:	24 mm
Analysis Time:	10 minutes
Number of reagents:	3
Accuracy:	$\pm 5\%$
Repeatability:	$\pm 2\%$
Detection limit:	10 ppb

Nickel	Application data sheet
Method description	In the presence of an oxidizing agent, nickel ions react with dimethylglyoxime in an alkaline solution to form an orange-brown colored complex.
Wavelength:	470 nm
Parameter:	Ni^{2+}
Range:	0-1000ppb
Cell diameter:	24 mm
Analysis Time:	10 minutes
Number of reagents:	3
Accuracy:	$\pm 5\%$
Repeatability:	$\pm 2\%$
Detection limit:	5 ppb