Chemitec
WATER MONITORING SOLUTIONS

SENSORS & CONTROLLERS

ANALYZERS & SAMPLERS

LEVEL, FLOW & PRESSURE

WEB APP & DATALOGGING

ACCESSORIES

COLORTEC DATASHEET

PHOTOMETRIC ANALYZER FOR CHEMICAL PARAMETERS

MAIN FEATURES

- Touch-screen user interface
- Intuitive control software
- Measurements may be performed at programmed intervals, a specific time or an external event
- All measurements archived and made available in graphical form
- Designed for connection to an existing LAN

APPLICATIONS

- Wastewater treatment plants: inlet, outlet or Defosphation process control
- Industrial water
- Environment monitoring

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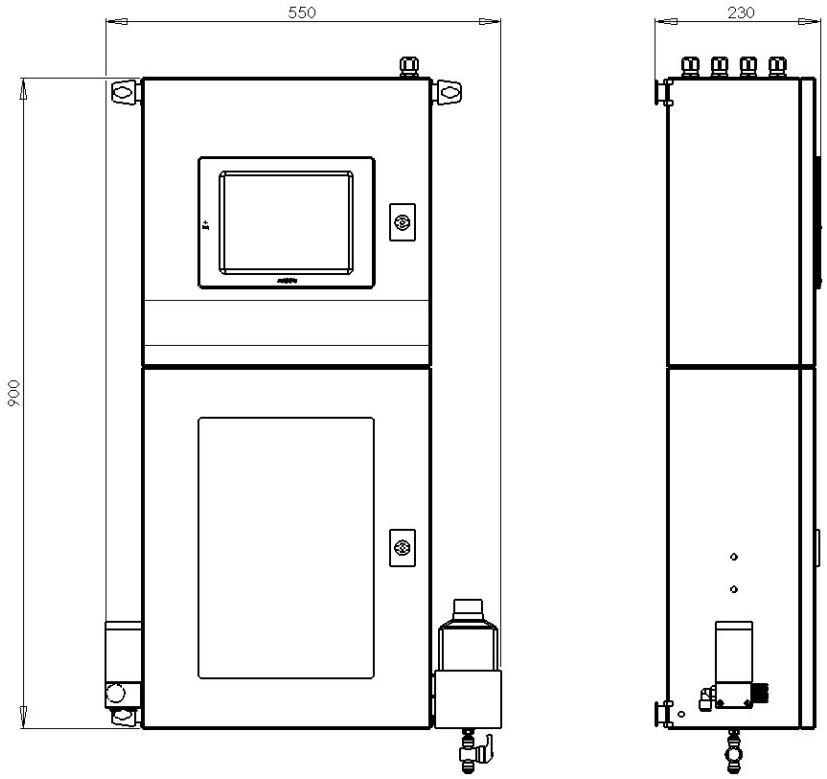
TECHNICAL DATA

Photometric range	2.5 Optical density
Accuracy	± 3 % of the full scale
Repeatability	90 % of the measure
Frequency of the analysis	Hourly or by step (20 minutes minimum). In reference by method
Turbidity of the sample	Max 10 FTU/NTU. For higher turb. it's recommended to use the filtration syst. (optional)
Sample pressure	0,1÷0,3 Atm. stable
H_2O or air pressure for filter washing	Max 6 atm on the entry of the washing valve
Measuring sensor	Standard Silicon sensor with 17-bit digital converter
Wave length	445…800 nm with led
Light source	LED
Reading cell	Made of PIREX® Ø 16 mm
Mixer	Reaction Coil in thermostated Aluminum
Reactive dosage	Reaction Coil in thermostated Aluminum
Hydraulic system cleaning	Automatic washing with distilled H2O
Visualization	LCD 8.4 colour display
Data insertion	Resistive TOUCH SCREEN
Computer CPU	NXP® i.MX6 DualLite ARM Cortex® A9 1GHz • integrated GPU 8GB eMMC
Archive	Circular, with date and value storage
Visualization of measures	Via SW it is possible to view the daily, weekly and / or monthly chart of all the archived measures
Data download	Possible via USB mass storage device
Set-Points	Two (2) ON-OFF programmable as min. or max. via SW
Output relay contacts	Max 2A 220V resistive load
Current output	2 x 0/ 4…20 mA sample measure and Temperature
Load	Maximum 500 ohm
Serial interface	1x RS485 DB 9M Communication with Internal Motherboard; 1x DB 15M (RS 232-422-485) modbus; 2 LAN Ports
Calibration	Manual with activation from menu. The coefficient "k" can be automatically determined by the instrument after making a measurement of known value
Calibration curve	Creation of the calibration curve using a table from 2 to 50 points in which it is possible to enter arbitrary values
Dimensions (L x H x P)	1000 x 400 x 200 mm
Weight	45 Kg
Power supply	220 Vac 50 Hz (110Vac on request)

DIMENSIONS



Dimensions (L x H x P)	550x900x230 mm
Total Width	About 550mm
Total Height (valves included)	About 910mm