



SENSORS &
CONTROLLERS

COLORTEC DATASHEET

PHOTOMETRIC ANALYZER FOR CHEMICAL PARAMETERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



WEB APP &
DATALOGGING



ACCESSORIES



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

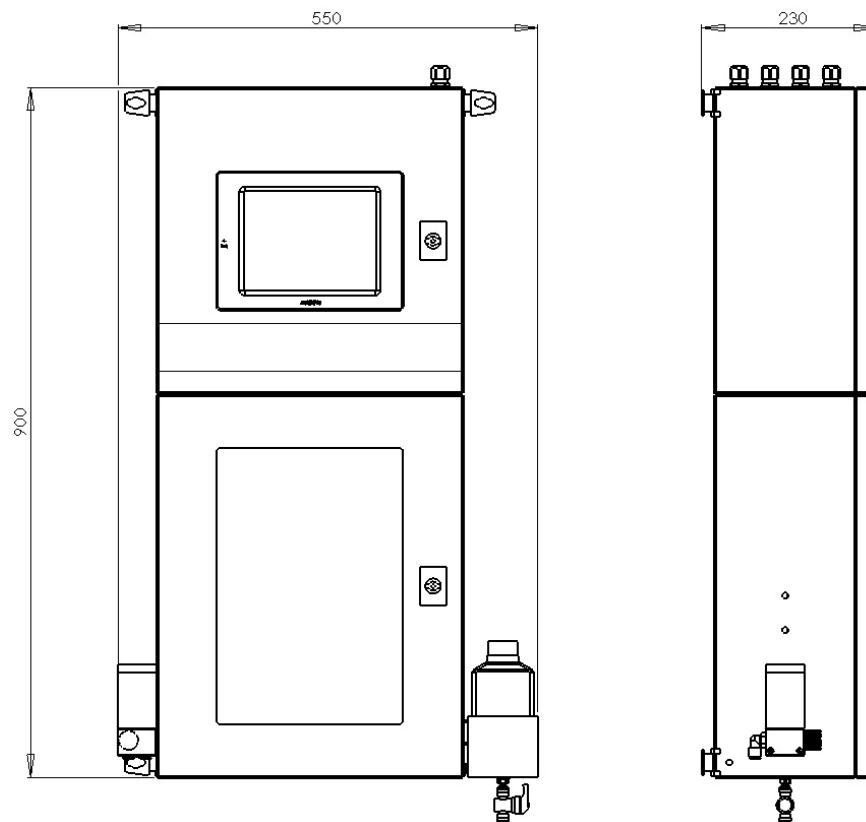
APPLICATIONS

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

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 ₂ O 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 H ₂ O
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