Chemitec
WATER MONITORING SOLUTIONS

COLOR MASTER DATASHEET
PHOTOMETRIC ANALYSER

MAIN FEATURES

- Simultaneously measurement of absorbance and temperature

- Programming: through keyboard with 4 bubble keys

- LCD STN 128x64 backlighted

- Internal Data Logger Flash 4 Mbit storage equal to 16000 recordings with the possibility to visualise through tables and charts the measurement trend with the indication of minimum, maximum
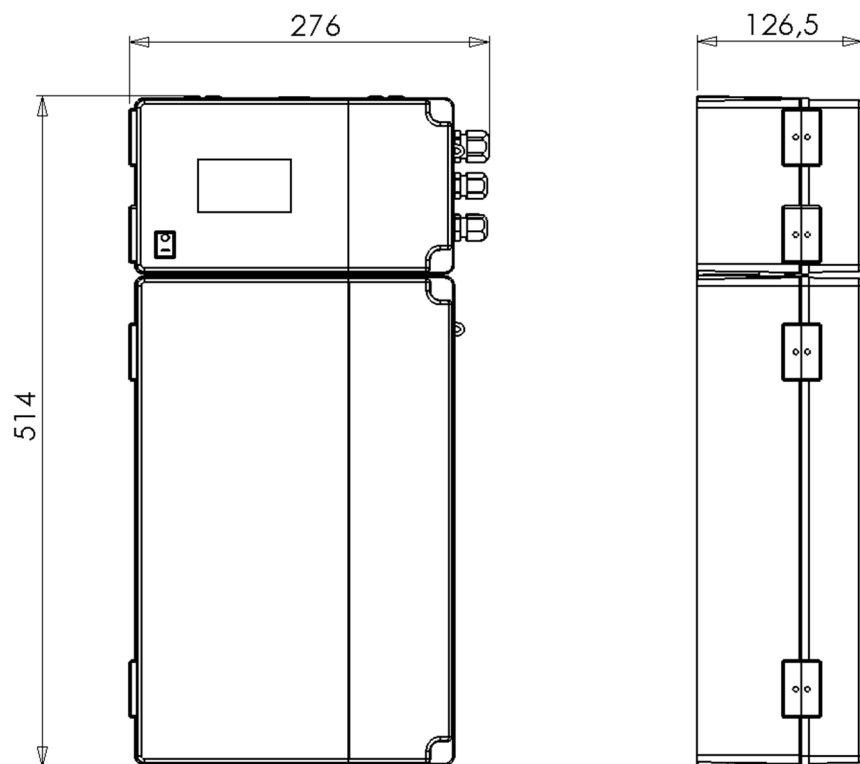
APPLICATIONS

- Drinking water with food and beverage

- Industrial water

- Chemical industry

TECHNICAL DATA

Measures	Absorbance, Temperature
Absorbance measuring	0…500 ABS
Absorbance Resolution	0.01 ABS
Absorbance Accuracy	1% f.s.
Temperature measuring	0…50°C
Temperature Resolution	0.1 °C
Temperature Accuracy	1% f.s.
Wavelength	445 nm (others on demand)
Graphic display	LCD STN 128x64 backlighted. Visualisation of: measurements (simultaneous of values + trend line) , Digital outputs condition, storage condition, malfunctions. Programming through keyboard with 4 bubble keys
Internal Data Logger (optional)	Flash 4 Mbit storage equal to 16000 recordings Recording interval: 00:00 ÷ 99:99 min Type: circular / filling Visualisation: table/chart
nr.2 analogue outputs	Quantity: Absorbance, Temperature. Typology: 0.00 / 4.00 ÷ 20.00 mA galvanically isolated
nr.4 Relay Outputs of Set point	nr. 2 for Absorbance + 1 for Temperature + 1 for Alarm ON – OFF: 00.00 ÷ 500 ABS
Alarm Relay Output	ON-OFF cumulative for: Min/Max, set point delay, defects (lack of sample water, reagents exhaustion, burnt projector, dirty cell)
Digital Input	Contact feed at free and 220Vac for dose disabling
Analogue Input (optional)	0/4 ÷ 20mA for auxiliary measurements
RS485 Serial Output (optional)	MODBUS RTU protocol with programmable velocity 1200 ÷ 38400 Baud Rate. for set-up, Real Time condition, or data download
Power Supply/Electric Potection	Power supply 85÷265Vac/dc 50-60Hz – Average absorption 30 W - Electric protection: CEI EN 61010-1
Housing	ABS Grey RAL 7045
Front panel	UV Resistant Polycarbonate
Weight	4 Kg
Operating temperature	0…50 °C
Storage and Transportation:	25÷65°C
Humidity	10…95% non-condensing

DIMENSIONS

Dimensions (L x H x P)	276x514x126,5mm
Total width	About 276mm
Total heigth (valves included)	About 514mm

ORDER CODES

9700801010	COLOR MASTER Photometric unit for determination of Color