

Transmitter Model C1



- Configuration via PC, Laptop
- Menu - based, intuitive User Interface
- Serial Interface: USB
- Optional backlit LCD
- Outputs: 4-20mA, Setpoint Relay, System fail Relay
- Multiple sample curve-fit
- Programmable Measuring Units: EBC, FTU, TEF, ppm
- Full backup of Configuration & Calibration
- Stainless Steel Enclosure (304SS / 1.4301)
- Protection class Enclosures: Nema 4x / IP65
- Optional Hazardous area Zone II (Ex nA IIA T3 Gc)*
- Optional Hazardous area Zone I alu enclosure (Ex d IIC T5/6)
- Rugged, reliable design made for excellent process control
- Suitable for all potable, waste and process waters

* Transmitter for hazardous area Zone II without Relays and external USB (non sparking device).

Description:

The transmitter model C1 can be used with all optical sensors of the Monitek / Chemtronic series. The programming/calibration of the system is done via a PC or notebook using the menu-driven software. Calibration is done with multiple samples. All settings and calibration values can be backed up, extern, at your PC's hard disc.

Applications:

- Scatter light turbidity measurement
- Absorption turbidity measurement
- Single channel color measurement
- Dual channel color measurement

Operational areas:

- Chemical industry
- Petrochemical industry
- Pulp & Paper
- Beer and beverages

Technical Data:

Temperature range: maximal 45°C

Enclosure material: 1.4301

Measuring range: Sensor specific (programmable)

Interface: USB

Software: Configuration/Calibration via Windows PC

Reproducibility: $\pm 1 \%$

Protection class: IP65 / NEMA 4X

Supply: 24VDC $\pm 10\%$ (opt. 90-260VAC- 50/60Hz)

Analog output: 4-20mA, 500 Ohm (isolated)

Relay outputs: Contact ratings 24VDC/1A