

Model AT3



Principle of measurement: Ultrasonic reflection

- Intuitive user interface
- High reproducibility
- Programmable range
- Linearization of measurement values
- Programmable measurement units (ppm, m/l, %, etc.)
- Analogue output: 0/4 – 20mA (isolated)
- Four programmable set point relays
- Backlit graphic display

Description:

The transmitter model AT3, together with a probe model AS3, has been specially designed to measure particle concentration in a variety of liquids. The large span of measurement ranges of 0 – 1ppm to 0 – 30000ppm allows a wide range of applications. A user friendly interface provides great assistance in setting up of the instrument. Between two and sixteen samples are required to define a calibration curve for a specific customer application. Calibration can be done in multiple ranges and measurement units like mg/l, %, g/l, ppm, ppb, etc. according to customer specification. The 0/4-20mA output allows transferring the measurement results to an external PLC system.

Applications:

- Product concentration
- Filtration control
- Oil in condensate
- Oil in water / Water in oil

Operational areas:

- Chemical industry
- Petrochemical industry
- Pulp & Paper
- Power plants

Technical Data:

Supply voltage: 90 - 260 VAC, 50 - 60 Hz
 Power consumption: maximum 50 VA
 Relay capacity: (48V / 2A) programmable
 Analogue output: 0/4 - 20mA isolated / 800Ohm
 Display: Backlit graphic display

Measurement range: 0–10ppm, 0–30000ppm
 Reproducibility: ± 1 %
 Ambient temperature: -10°C to 50°C
 Enclosure: 1.4301 / IP65 (NEMA 4X)
 Dimensions: 440 x 360 x 205 mm / 10 Kg
 optional hazardous area: ATEX Zone I / Zone II