

# TurBiScat PM 40

In-Line Turbidimeter



## Applications

- Filtration monitoring in beverages such as beer, fruit juices, spirits
- Supervision of centrifuges, separators, whirlpools in the beverage industry
- Turbidity measurement in oils, sugar solutions, food

## Advantages

- Sealless design, maintenance-free
- Extended sensor check function with fouling control
- Colour-compensated, 90° / 25° dual-angle measurement
- Optional colour measurement at 430 nm
- Measurement according to MEBAK / EBC / ASBC
- Quick adjustment with secondary standard
- Sensor monitoring regarding humidity and temperature

- Integrated display with colour touch screen display
- optional detached display unit
- Variable display of measuring data graphs, process performance direct on point of measurement
- Smooth system integration

## Industries

- Beverage
- Food

## Innovations with tangible benefits



### Highest Precision, Large Measuring Span

Highest quality components and precise workmanship result in a high measuring span. An optional integrated colour measurement is available:

- One sensor type for numerous applications
- Precise measurement of lowest up to very high turbidity values
- Colour measurement in the same sensor for an attractive price
- Proven measurement system
- MEBAK/EBC/ASBC-conform



### Convincing Design

Combination of Hastelloy® and sapphire in a compact, sealless design with LED technology:

- Simple installation in VARINLINE® housings
- Allows operation in practically all process applications
- No need for regular maintenance
- Operates without additional control unit
- Precise verification and recalibration without the use of Formazin
- Permanent humidity and temperature monitoring
- Low TCO



### Value display direct at the place of measurement

Das TurBiScat PM 40 can be easily detected in the plant.

Integrated display with state-of-the-art coloured display technology:

- Provides clear data display with easy touch screen navigation direct at the place of measurement
- Display of up to 4 measured data simultaneously or graphic representation of the measurement readings for up to 7 days (1 day, 1 hour)
- Clear status information with link to support in case of warnings or alarm
- state-of-the-art configuration and value display on the Smartphone



### System integration and integrated security

The TurBiScat provides several data interfaces from analogue outputs to process buses for continuous process monitoring

Permanent accessibility to data and status information

- Integrated threshold monitoring
- Enforced data security
- Secured WLAN-connection
- Secured access to smartphone over web browser

### Main technical details

Measuring principle:	90° / 25° Scattered light
Wavelength turbidity:	LED 650 nm
Wavelength colour (optional):	LED 430 nm
Measuring span turbidity:	0 ... 1'000 EBC 0 ... 4'000 NTU
Resolution:	0.001 EBC
Measuring span colour:	0 ... 50 EBC
Sample temperature:	-10 ... +100 °C
Protection degree:	IP66

Full details and technical data:



