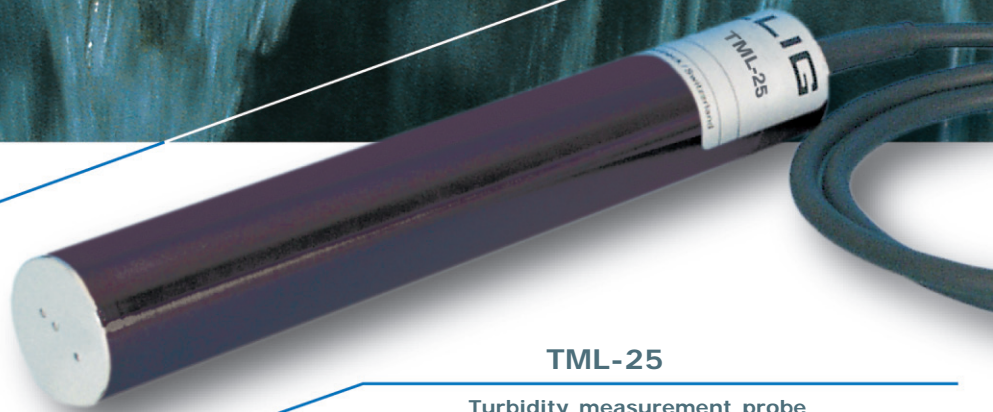


ZÜLLIG



TML-25

Turbidity measurement probe

Turbidity measurement for drinking water

Application

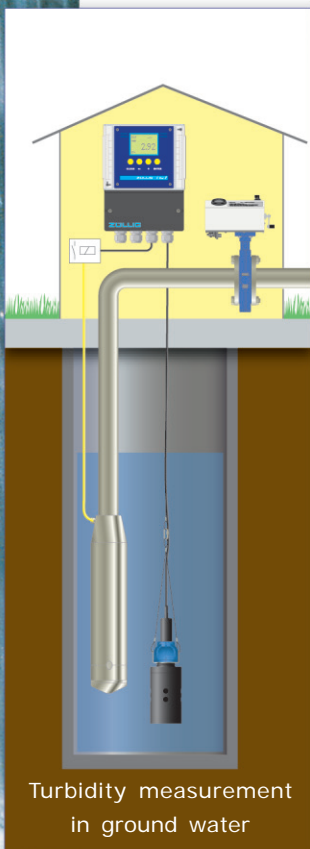
- Fountain
- Ground water
- Spring water
- Caverns
- Tanks
- Lakes, rivers
- Pipelines

Application example

Fountain with turbidity measurement and controller: The Züllig on-line measurement is used directly in the medium. This always guarantees actual and exact values. Thereby the controller works without any delay and ensures that no turbid water is pumped into the line system.

Advantages

- On-line measurements of turbidity prevents infiltration of the distribution network
- No by-pass necessary
- No separate pumping system
- No unnecessary consumption (disposal)
- No fouling of in-line measurement systems
- Version XL for sanitary applications and for installation in small diameter pipes
- Low maintenance

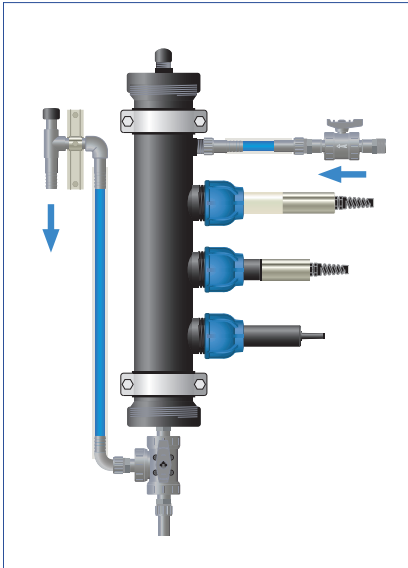


Turbidity measurement
in ground water

ISO
9001:2000
Quality Management System

Perfect solutions in the service of the water quality measurement

Züllig water quality metering station WQS



WQS with continuous flow through armatures. Example with Turbidity-, pH- and Conductivity measurement.

Concept WQS

The optimized measurement-technology of the compact unit offers enormous savings concerning installation time and maintenance.

All probes are fixed with locking ring assemblies. The brilliant easy maintenance of the Züllig probes is still supported.

Hydraulic competence

With our know-how in flow technical concerns we also offer solutions for adverse measuring circumstances (degassing etc.).

Features WQS

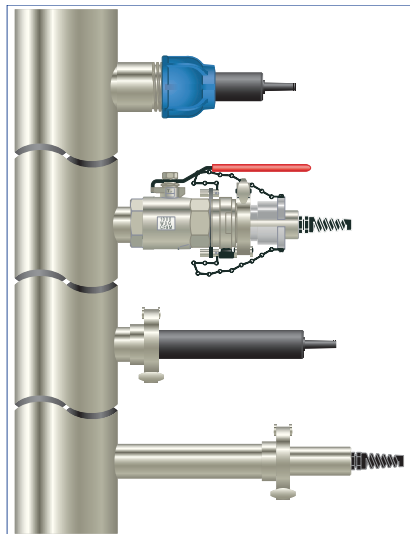
- System-dependent options of measuring parameters
- Robust construction
- Short response time
- Online measurement
- Easy maintenance
- Expandable modul system

Measuring parameters WQS

- Turbidity
- pH-value
- Conductivity
- Dissolved oxygen
- ORP potential
- Chlorine (in preparation)
- Temperature

Installation in pipelines

Quick clamp devices for steel und plastic pipes.



Züllig locking ring assembly, ball valve system, version XL and Tri-Clamp® system.

Evaluation/Control

- Data evaluation and visualization
- Data storage
- Data transfer
- Alarm
- Control/Regulation

Accessories

- Degassing modules
- Probe protection device
- Guide pipes



Züllig WQS Degassing module (left) and probe protection device (right).

Data for turbidity measurement

- Measuring range 0,001...4000 NTU
- Resolution of measurement 0,001 NTU (better DIN/EN 27027/ISO7027)
- Supply 230/115 VAC or 24 VDC
- Pressure up to 10 bar
- Air bubbles compensation
- Measuring value improvement

Subject to technical changes

1391e01 08/09/2005



Instrumentation for water and waste water control

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