

light.
speed
ahead.

the
pipe::scan



s::can
A Badger Meter® Brand



Certified to NSF/ANSI/CAN 61 & 372



i::scan

Multi-parameter spectrophotometer probe.

Parameters:
FTU/NTU, UV254, UVT,
Color, TOC, DOC

Optional autobrush for i::scan

Provides automatic brush cleaning for the i::scan.

Pipe saddle

2" pipe saddle for hot tap installation. Available for pipes from DN80 to DN600. **Pipe saddle is not NSF certified.**



Enclosure

Additional security for sensors and operator.

Physical sensors

One chlori::lyser and two additional sensors (condu::lyser, pH::lyser or redo::lyser) can be installed.

Parameters:
Conductivity, Free Chlorine, pH,
Redox and Temperature

Base unit

Flow cell for up to 4 sensors with retractable insertion nozzle, filter, sample valve, automatic bleeder valve, pressure sensor and flow sensor (optional).

Nano-pump

For water flow even during periods of stagnation.

The pipe::scan

Drinking water quality monitoring in the network

The pipe::scan is a sensor system for monitoring drinking water quality in pipes under pressure. It measures up to 10 parameters in one device: TOC, DOC, UV254, Turbidity, Color, Chlorine, pH/Redox, Conductivity, Temperature and Pressure. The water quality data can be sent to any central database via almost any protocol. Multiple pipe::scans are the ideal solution to monitor drinking water at any point in the network.



Only the pipe::scan can:

- » Accurate measurement in perfect agreement to standardized lab reference... not just "trending"
- » Organics and Turbidity monitoring
- » Totally flow-independent, even works under stagnating conditions
- » Hot-maintenance: without interrupting the flow/pressure, and for each sensor individually
- » Full-scale event detection with real-time alarms within the drinking water distribution network
- » 6 months service time: Efficient, reliable stand-alone operation without maintenance

con::line - Low Power Terminal

The con::line is a compact computing platform with a built-in datalogger that can store data for up to one year. It can be operated by battery, making it perfect for areas with limited power supply.

The con::line can be remote controlled from any standard web browser via PC, notebook, tablet, or smartphone. Its user-friendly web interface, lo::Tool, facilitates easy data visualization and configuration. 4G communication to any cloud system through secure SFTP or SCP connections allows fast and reliable data exchange.



UV 254

TOC

Chlorine

pH

UVT

DOC

Conduc-tivity

Tempera-ture

ORP

Pressure

Turbidity

Color

UV 254



Drinking Water Network Monitoring for Smart Cities



Example of an Installation in a Manhole

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