

Portable DO analyzer

INGOLD

Leading Process Analytics

Portable DO analyzers

- InTap® 4000 e
- InTap® 4004 e

Your benefits

- Time saving through easy operation and data handling
- Cost saving through fast and simple liquid handling
- Long lifetime



**In-line accuracy with point of process convenience:
Maximum control of beverage quality.**

METTLER TOLEDO

Intelligent, portable DO measurement system ...

In the beverage industry, dissolved oxygen concentration is one of the most important process parameters for controlling the quality of the final products. The InTap 4000 e/4004 e allow users to perform DO measurements wherever and whenever required. Typical applications are product quality control or air leakage detection in process plant components.



Traditional brewhouse.



Leakage detection in beer lines.



Mineral water bottling.

Time saving, easy handling and user-friendly.

INGOLD InTap 4000 e or InTap 4004 e DO analyzers can easily be connected to your process. Both analyzers have an intuitive control menu, resulting in maximum convenience for users during calibration, measurement and maintenance procedures.

Cost-saving.

InTap 4000 e and InTap 4004 e offer the best price/performance ratio yet available. The sensor maintenance cycle takes just two minutes, thereby minimizing operating expense. The analyzers are powered by three standard, user-replaceable, batteries.

Long lifetime.

The watertight measuring unit and the impact-resistant protective casing provide assurance for reliable DO measurements, even under the harshest operating conditions encountered in the beverage industry.

Precise and fast measurements.

The optimized measuring chamber and advanced sensor design guarantee fast, stable and repeatable results, unaffected by flow rate or very low DO concentration.



... for control of your process quality!

The InTap 4000 e and 4004 e were designed to have the most outstanding features. They allow efficient operation, time savings in handling and provide reliable measurements coupled with the highest possible security. A convincing concept in any case – regardless of how you measure dissolved oxygen in your plant, with or without Zwickel adaption.

Two-minute-maintenance:

The modular METTLER TOLEDO INGOLD sensor design allows easy and rapid maintenance to save your time.

Easy process connection:

Time saving through use of fast direct-to-tank Zwickel adapter unit.

Fast response time and low detection limit:

Time saving through fast-response measurement of oxygen concentration. Fast tank-to-tank equilibration even at values below 10 ppb.

Data management:

InTap 4000 e/4004 e can store up to 200 measurement values. The accompanying Paraly® software allows data transfer to a PC and further processing in spread sheet programs to visualize your process.



Typical METTLER TOLEDO INGOLD modular sensor design.



Zwickel direct-to-tank adaption.

Time	DO	Temp	Status
10:01	10.00	12.00	OK
10:02	10.00	12.00	OK
10:03	10.00	12.00	OK
10:04	10.00	12.00	OK
10:05	10.00	12.00	OK
10:06	10.00	12.00	OK
10:07	10.00	12.00	OK
10:08	10.00	12.00	OK
10:09	10.00	12.00	OK
10:10	10.00	12.00	OK
10:11	10.00	12.00	OK
10:12	10.00	12.00	OK
10:13	10.00	12.00	OK
10:14	10.00	12.00	OK
10:15	10.00	12.00	OK
10:16	10.00	12.00	OK
10:17	10.00	12.00	OK
10:18	10.00	12.00	OK
10:19	10.00	12.00	OK
10:20	10.00	12.00	OK

Data transfer from InTap to PC due to RS 232.

Everything included.

InTap 4000 e analyzers are supplied in a comfortable case.



Bottle and can measurement.

The Haffmanns sampling device is an easy-to-use and robust apparatus for taking samples from bottles or cans.



SensoCheck® sensor status: Smart sensor monitoring.

Continuous sensor diagnostics with self-explanatory graphic symbols provide ease of configuration, calibration and operation.



InTap 4000 e



InTap 4004 e

The system makes the difference ...

METTLER TOLEDO offers a complete package of dissolved oxygen measurement systems based on InPro 6050 value line, InPro 6800 advanced line and InPro 6900 premium line sensors.

Furthermore METTLER TOLEDO offers a wide range of technological measurement solutions for the area of industrial Process Analytics:

- A complete range of electrodes/sensors for pH/ORP, O₂, conductivity, and turbidity measurements
- A wide variety of static and retractable housings, cables and dedicated accessories as well auxiliary systems such as automatic sensor cleaning and calibration devices
- We have a comprehensive line of transmitters to meet your most demanding requirements, including compatibility with sophisticated, modern communication and automation systems



Professional service and support is always close at hand

Our professional worldwide distribution and service network provides you with the best possible technical and application support, ranging from consulting through to trouble-shooting.

Ordering information for portable DO analyzers InTap 4000 e/InTap 4004 e:

Technical data sheet (TD)

with detailed product information and product order numbers

Order no. 52 201 093

or contact your METTLER TOLEDO sales representative



Management System
certified according to
ISO 9001 / ISO 14001



Transmitters

- «Value Line»
- «Advanced Line»
- «Premium Line»



pH/ORP

- Gel/polymer electrodes
- Liquid electrodes
- Non-glass electrodes
- Polymer body electrodes



O₂/DO

- Value sensors
- Advanced sensors
- Premium sensors
- Portable instruments



Conductivity

- Value sensors
- 2/4-electrode sensors
- Inductive sensors



Turbidity

- Low to medium turbidity
- Medium to high turbidity



CO₂

- In-situ measurement for in-line fermentation control



Housings

- For Ø 12 mm electrodes/sensors
- For liquid electrolyte electrodes
- InTrac® Series



Cleaning & calibration systems

- EasyClean family

Sales and service: