

DIMATOC® 402 TOC Analyser



The DIMATOC® is an online analyser for monitoring of the total organic carbon (TOC) and related parameters.

The touchscreen makes operation of the analyser straightforward.

The analyser comes with a 2-channel system, enabling monitoring of 2 sample sources or measurements in parallel.

The reliable tubeless injection system delivers samples, which can include particles with a size of up to 0.5 mm, into the two reactors.

DIN EN 1484

- Very short measuring times
- Excellent particle permeability
- Minimum maintenance
- High tolerance for salts
- Industrial-grade heavy-duty catalyst

Method

The DIMATOC® 402 employs a thermal oxidation at 700 to 900 °C supported by an industrial catalyst with high durability.

The well thought-out construction becomes obvious during maintenance: components are easily accessible and the reactors can be handled after a cooling time of only 30 minutes, ensuring short downtimes.

Applications

Process water (paper industry, refineries, food and beverage industries)

Municipal wastewater treatment plants

River water

Technical data

DIMATOC® 402

Measurement method	Thermo-catalytic oxidation at 700 to 900 °C, NDIR detection
Measurement range	Up to 10 000 mg/l C
Detection limit	0.5 ppm C
Injection volume	25~250 µl
Calibration	1-point or 5-point
Sample preparation	Approx. 60 l/h with 2 bar maximum pressure
Signal output	4~20 mA, Feldbus, SD card slot, contacts for alarm and limit value
Power supply	230 V AC, 50 Hz
Power consumption	Approx. 500 VA
Carrier gas	Synthetic air or oxygen grade 4.5, 5 bar
Ambient temperature	5~35 °C
Protection class	IP 54
Dimensions	600 mm × 1120 mm × 535 mm
Weight	Approx. 90 kg

Product code 745 700

Recommended accessory:

DIMA-Air, provides synthetic air as carrier gas for the DIMATOC® 402.

DIMA-Air product code 745 720