

On-line Ölmeßsysteme



Technical data

Function:	Solvent extraction with following non-dispersive infrared analysis, in accordance with detection procedure the DIN38409, part 18	Break between to measurements:	Adjustable from 0 minutes to 12 hours
Solvent:	1.1.2 Trichlortrifluorethan (other one on request)	Sample quantity of water:	dependent on the adjusted measuring range
Seperating filter:	material: Teflon Format: 50 mm Pore size : 50µm (please only use our filters)	Sample temperature:	5 - 30 °C
Measuring range:	0-20 to 0-500 ppm/l adjustable (other one on request)	Ambient temperature:	25 - 30 °C
Margin of error of the reproductibility:	± 2 % of the indicator value	Solvent quantity:	15 ml
Linearity:	± 2 % (related on IR-spectrometer Perkin-Elmer1320)	Measured value announcement:	digitally with three digits
Calibration:	autom. Zero point alignment, Slope alignment manually against oil level pool of broadcasting corporations solution	Measuring data	internal printer, serial interface RS232 or
Control:	microprocessor-controlled	Voltage supply:	Analodue output 4 to 20 mA, 2 make contacs floating, ever 1x for system malfunctionings and limit value excess
Analysis duration:	Sequence of function and dosage depending upon solvent approx 5 to 10 min.	Capacity:	230 V, 50 cycles per second (other one on request) approx.
		Enclosure according to DIN 40050:	175 W (with heating approx. 700 W) IP54
		Dimensions:	19"-steel cabinet with Sekurit-glass door Height 2000 mm Width 600 mm Length 600 mm
		Weight excl. Solvent supply:	approx. 240 kg

Technical subject to change

- 1) Heating available for very low ambient temperatures (please indicate temperature for the interpretation of the heater capacity).
- 2) For higher ambient temperatures possibly a cooling is necessary (please in this cause consult the manufacturer for the design of the refrigerator).



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Represented through:

Oil measuring system row (OMS)

To the fully automatic regulation of oils (hydrocarbons) in water, measuring range of 0 - 20 mg/l to 0 - 500 mg/l variable.

Application:

Oil represents a strongly loading dirt freight, which makes more difficult or prevents the biological self cleaning of the water in the waste water. Since water is an indispensable component for the human life, oil rate must be constantly controlled by in any way used water.

The oil measuring systems of the COM row are used everywhere, where on oil loads in the waste water or water is to be counted.

Sample applications:

- Monitoring of sewage purification plant-in and run off
- Waters monitoring
- Monitoring of light media separators
- Monitoring of cooling water cycles (e.g. oil coolers)
- Monitoring of boiler feeding water
- Monitoring of expirations of rain or storage tanks
- Control in metalworking industries (cutting oil, drilling oils, etc.)
- Final inspection in waste water processing facilities
- Control in improving plants during the electrolyte recuperation

Equipment of the on-line measuring systems OMS-20 and OMS-30

The measuring system OMS-30 differs from the measuring system OMS-20 by an integrated treatment stage for the extracted waste water (stripping unit). Both models are however on special problem definitions modifiably, e.g. into existing systems fit in etc.

Extensions on total conceptions like special samplings inclusive filter systems or development to multi-funtional final inspections are likewise possible.

To our delivery offer belong further:

- Laboratory and field measuring instruments for the regulation of oils in water, soil and dredging in accordance with the DIN 38409, part18
- Offshore on-line oil measuring systems, type OMS-40, for control of the entire water of oil and natural gas promotion platforms, going over board
- Planning, project engineering and building of waste water processing facilities for industrial waste water
- Special versions of the measuring instruments for special applications
- pH-, oxygen-, conductivity-, redox- and temperature of measuring instruments
- Fully automatic multi-final inspections (measuring parameters: Oil, turbidity, pH value, temperature, conductivity, etc.
- Complete concepts such as UVP/ etc. with the appropriate eningeeing
- Consultation, evaluations

