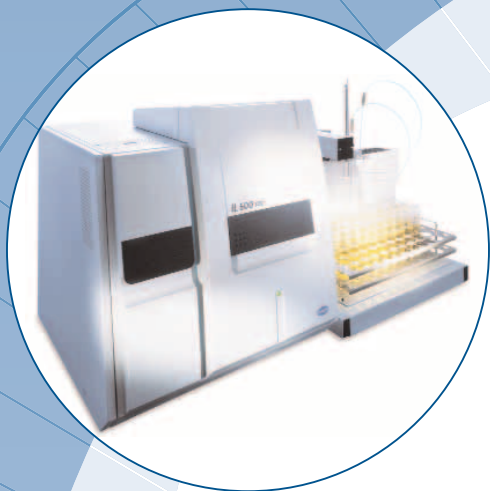


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HACH LANGE
IL 500 TOC ANALYSER



IL 500 TOC analyser plus autosampler with double-needle technology



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Highly sensitive – IL 500 TOC Analyser

The IL 500 TOC analyser with UV persulphate digestion is especially suitable for the automatic analysis of TOC in the low measuring range, as samples of up to 20 ml can be injected. The instrument requires very little maintenance and functions without a catalyst, so operating costs are minimal. UV digestion is carried out at high-energy wavelengths. The direct contact between sample and UV source ensures effective oxidation and excellent recovery and reproducibility. If an autosampler is connected, the double-needle technology allows purging and measurement to be carried out in parallel, thus saving time. The TOC is detected in the four-channel NDIR detector. Three measurement channels give the instrument its especially wide measuring range from 0.002 to 10,000 mg/l. The reference channel eliminates the influence of the ageing of the light source and ensures a long service life. The temperature-controlled measuring cell achieves a constant stable signal, so no time-consuming calibration of the detector is needed. Zero balancing is carried out automatically before each analysis. The OMNITOC software is very easily understandable and can be operated intuitively. The logical structure enables users without any experience of PCs to work securely after a brief familiarisation. The program collects all statistical data relating to calibrations and measured values. Calibration curves are generated automatically and user methods are saved. The appropriate method is automatically called up after a change of application. The data can be viewed while measurements are being carried out, and urgent samples can be given priority so that no time is lost. The data can be exported to a LIMS.



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