



Water Technology Ltd is sole distributor for supply and service of LAR process Analyzers for Ireland.

Since the company was founded in 1986, LAR Process Analysers AG developed into the leading supplier of online analysers for the determination of sum parameters in water.

LAR's online analysers are used for the continuous automatic monitoring of process water, waste water and surface water protection and are particularly used for applications in the chemical and petrochemical industries, as well as in process engineering.

What LAR analyser's measure (sum parameters):

- Total Organic Carbon (TOC)
- Chemical Oxygen Demand (COD)
- Biological Oxygen Demand (BOD)

### **QuickTOCultra.. REAGENT FREE ANALYSIS.....**

The new Quick TOC Ultra is reagent free, and filter free. Based on a unique, patented, catalyst free thermal oxidation technique at 1,200 degrees centigrade it offers the ultimate solution for difficult waste water applications. The unique injection system and salt trap options mean that the Quick TOC Ultra operates more accurately, and with less frequent maintenance than other TOC monitors

### **QuickTOCAirport**

The Quick TOC AIRPORT all the benefits and features described above, and is configured to measure Total Carbon, Total Organic Carbon, or Dissolved Organic Carbon compliant with ISO 8245, DIN EN 1484, and EPA 4151.

### **Quick TOC UV**

The Quick TOC UV low-temperature UV-promoted, persulphate oxidation to convert organic carbon compounds to CO<sub>2</sub>, which is then measured using a non-dispersive infrared detector to determine the Total organic carbon, The inorganic carbon is removed using acidification and gas sparging. This process can be omitted to give a total carbon measurement.

### **QuickCODultra**

C.O.D. is a measure of the organic load in a substance and, is therefore important as a measure of pollution, quantifying organic product loss and calculating effluent charges. The Quick COD ultra uses high temperature oxidation to oxidise the sample, and measures the resulting drop in oxygen level. This gives a direct measurement of C.O.D. using robust technology which gives a continuous output of C.O.D. value.

No chemical reagents.

Low Maintenance.

Total oxidation of all carbon compound.

### **Areas of application:**

Environment / municipal facilities / industry.

### **Industries:**

Environmental monitoring / waste water treatment / power plants / waste processing / pharmaceutical / laboratory / petrochemical refineries / chemical / coal and steel / airports / automobile / paper manufacture / breweries / food manufacture / drink manufacture / milk processing

### **Types of water:**

Ground water / surface water / drinking water / water influent / water effluent / discharge control / industrial waste water / de-icing water / process water / boiler feed water / high salt concentration / cooling water / pure water / condensate return / pharma HPW / pharma WFI

