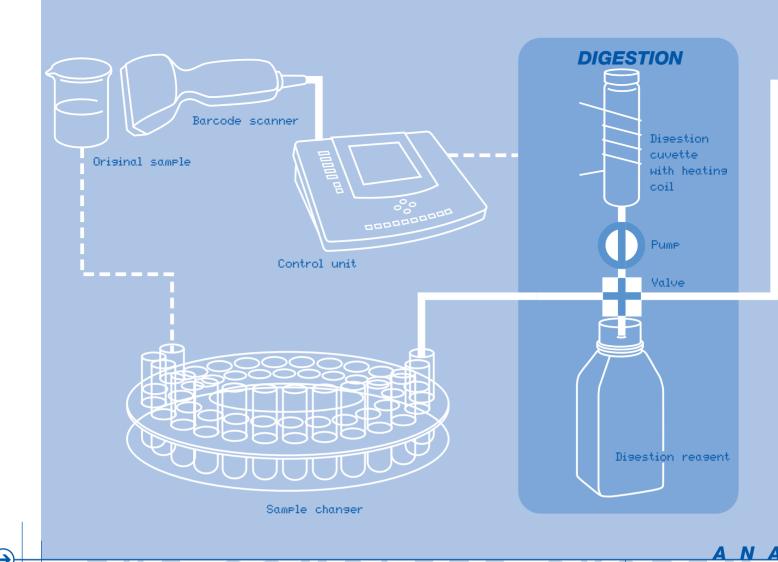






Sample changer

and total phosphate or for the determination of total nitrogen (TN<sub>b</sub>).



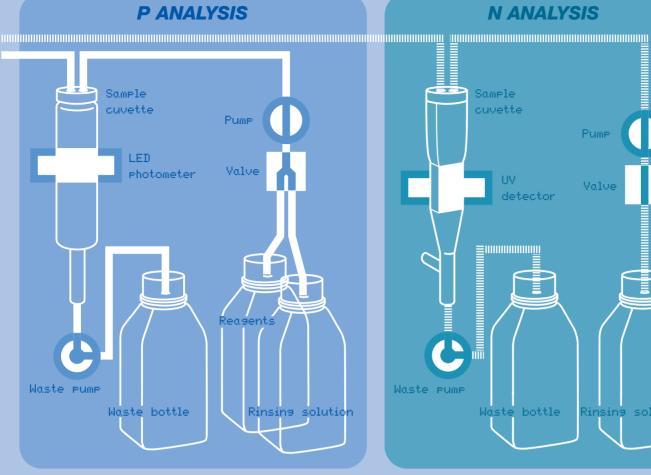
## Nothing simpler: Fully automated analysis.

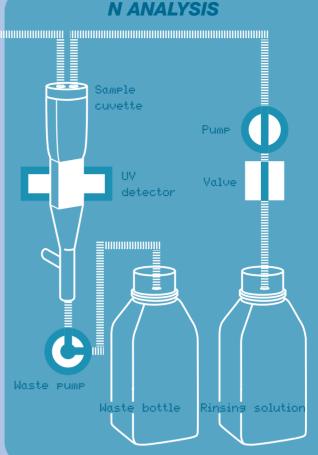
50 samples can be positioned in the sample changer then they are automatically transported into the analysis unit. GANIMEDE P evaluates the samples optionally as orthophosphate or total phosphate, while GANIMEDE N evaluates them as total nitrogen (TN<sub>b</sub>). The automatic needle rinse and sample mixing ensure contamination-free sampling. A complete GANIMEDE system consists of a control unit, sample changer, digestion and analysis unit; one control unit can be used for both systems.



# Saves time: Patented fast digestion.

The integrated high-temperature unit (150°C), including flash cooling system, yields results in the shortest possible time – in 4 – 7 minutes, depending on the sample. Complex phosphate or nitrogen compounds are also detected. PO4-P is digested and evaluated in the measuring range 0.01 – 3.8 mg/l in line with DIN EN 1189, while TN<sub>b</sub> is determined in two measuring ranges from 0.5 – 150 mg/l in line with DIN EN ISO 11905-1.











### **GANI CHEM: Effortlessly** reproducable chemicals.

GANI CHEM, the ready-to-use reagent set, can be used to carry out up to 100 determinations, without having to prepare any reagents. Easily accessible reagent compartments in the analysis unit enable chemicals to be switched quickly and simply. Naturally LANGE disposes of all waste materials free of charge.

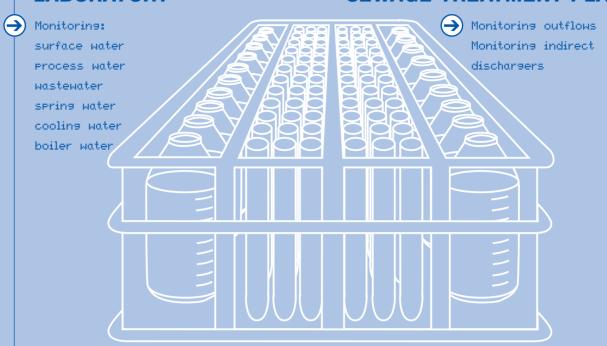
### More mobility with intelligent data management.

The ability to work flexibly at different workstations starts with input of the sample data via a barcode scanner or a PC keyboard. The cord-free control and evaluation unit with an infrared port then controls all subsequent processing. The actual sample data and measurement results can be transferred to a PC at the touch of a button.

GANIMEDE P AND N: SERIAL ANALYSIS FOR ORTHOPHOSPHATE, TOTAL PHOSPHATE AND TOTAL NITROGEN.

### **LABORATORY**

### SEWAGE TREATMENT PLANT



### **WATERWORKS**

Treatment of raw water

Monitorins drinkins water

# **GANIMEDE:** More efficiency in laboratory analysis.

Practical experience has shown that parameters such as total phosphate and total nitrogen, which require a sample preparation step to be carried out, are often complicated and labour-intensive. Laboratories that have to analyse large numbers of samples are therefore interested in time-saving and favorably priced analysis systems.

LANGE has the solution: a practical analysis system with integrated digestion. Simple to handle, convincing in practice. Especially in industrial and municipal service laboratories, in large sewage treatment plants and power utilities.

#### **Experience** is the key.

The development of GANIMEDE sets a new benchmark in laboratory analysis. LANGE has used components that have proved themselves over years in process instrument technology. Drawing on its considerable experience, it has developed a practical and low-maintenance solution.

### MEASURABLY MORE. TEST US.



LANGE means measurably more than good measuring instruments. Our service makes analysis a fully integrated system.

GANIMEDE INFO SHEETS APPLICATIONS OPERATING MANUAL



**Analytical Quality** Assurance as a complete package with standards, instrument checks and test solutions.

Processing of used reagents in the **Environment Centre** officially approved and completely free of charge, including collection service.



Seminars and workshops for comprehensive information and intensive training.



Competent on-site support - from your personal field service contact.

Get the latest information on-line - from

www.drlange.com

We can always be contacted to answer your analysis questions. Just dial the hotline: UK: 01256 333 403

NL: 0344 63 11 30

## TECHNICAL SPECIFICAT

# **GANIMEDE P and GANIMEDE N:**

# The secret is in the details.

Colour display 5.7 inch, With automatic needle port for barcode reader or compact PC keyboard IR port

for cord-free data transfer

Control unit

**Battery or mains** powered operation Sample changer

rinse and stir function

Sample turntable P for 36 x 30 ml and 53 x 15 ml vessels

Sample turntable N for 36 x 30 ml vessels P analysis unit

to DIN EN 1189

Measuring range 0.01 - 3.8 mg/l PO4-P

Reproducibility at 1 mg/l: +/- 2%

Measurement

wavelength

880 nm

Calibration

Automatic 2-point calibration. Optional standard series

N analysis unit

**Measurement method** Measurement method 1 x serial, 1 x parallel,

to DIN EN ISO 11905-1 1 x sampler

Measuring range 0.5 - 150 mg/l TNb

Reproducibility

at 10 mg/l: +/- 2%

Measurement wavelength

210 nm (Transm. Max.)

Calibration

Automatic 2-point calibration. Optional standard series

**Interfaces** 

Mains power supply

230 V/50 Hz/ (110 V optional)



### Forgalmazó és szerviz:

Unicam Kft. 1144. Budapest, Kőszeg u. 27. unicam@unicam.hu