

ANALYSER IIG (with Double Beam Fluorimeter for a-N)



Introduction

Venema automation at Groningen (Holland) engages in the automation of production processes in the most diverse industries. Thus for more than 50 years we have manufactured beetanalyzing systems throughout the world. Thanks to our knowhow and experience we are capable of realizing ever more advanced and accurate applications. For Venema innovation is a top priority. In the sugar beet industry this policy has even earned us the position of market leader.

Moreover, we do everything under our management. From design and production to installation and servicing. When you consult the specialist of Venema, you are assured of a perfect solution to your specific automation problem.

Invitation.

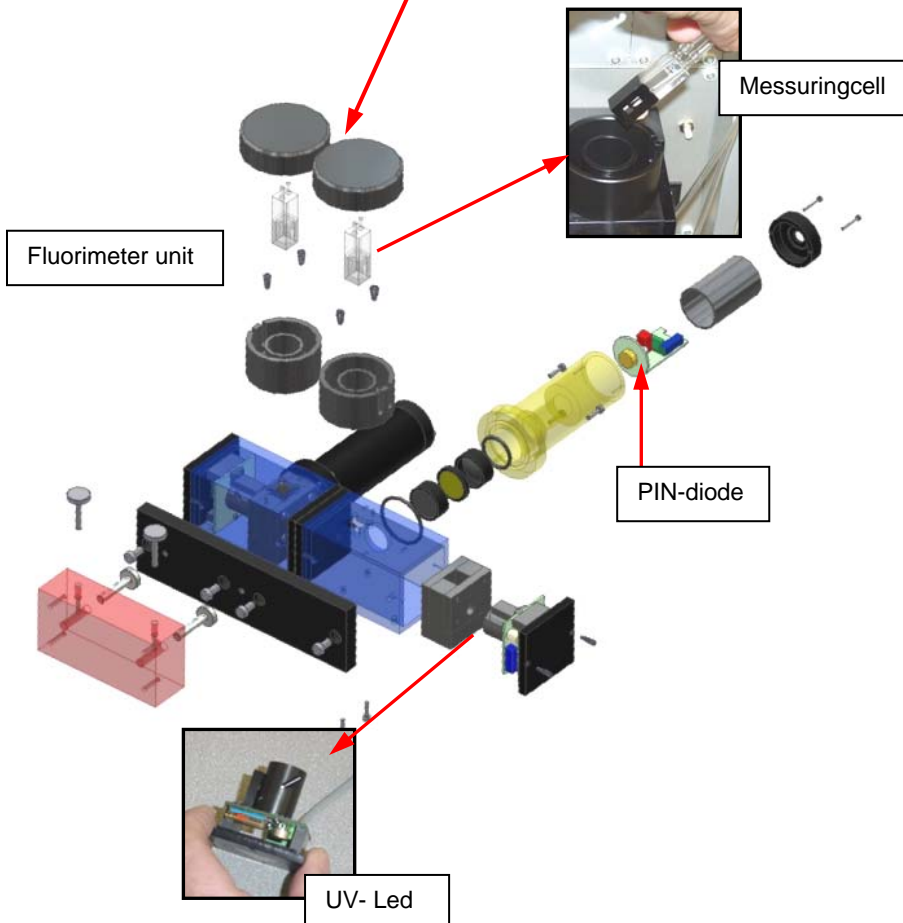
If you are interested in other Venema products or if you have any question about automation subjects, please do not hesitate to call on us. We love to be challenged!



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The smart, modular Sugarbeet Analyzing-system for 120 samples/hour



Venema Automation is constantly innovating for new applications and products.

A special example of this is the

ANALYSER IIIIG

Based on 30 years' experience with the IIG type, a new version was developed, the ANALYSER IIIIG.

Measuring alpha-amino nitrogen in liquids by means of a buffered orthftal-aldehyde solution. UV-light is beamed into the liquid, fluorescence arises through the presence of alpha-amino nitrogen, this light is measured by a PIN-diode.

The ANALYSER IIIIG in practice:

Comprising:

- Flamephotometer, for measuring potassium and sodium
- Fluorimeter, for measuring α -amino nitrogen
- Hose pump
- Microprocessor control
- Computer (PC) Printer

Any type of Polarimeter can be connected to the ANALYSER IIIIG for measuring sugar, provided it has a data output.

Options:

- Double beam photometer.
- Invertsugar measurement.
- Reader(s) for samplenummer input.
- Vacuum system for connection with the VAFSYS (automatic filtration).
- Cooling unit .

Technical specifications:

Range of measurement:

Sugar, (depends on polarimeter type)
Potassium : 0-100.0 mmol/kg beet
Sodium : 0- 50.0 mmol/kg beet
 α -Amino N : 0-100.0 mmol/kg beet

Accuracy : 3,0% of above mentioned end value
 Capacity : 120 samples/ hour

Ambient temp : +5 - +30°C.

Supplies:

Power : 230V. 50Hz. 1,5 kW.
 Gas : Propane min. 50 mbar
 Compr. Air : min. 4 bar
 Dimensions : 155 x 75 x 127 cm.
 Weight : 135 kg.



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