

New oxygen analyser AAL7000

Aalborg Industries Inert Gas Systems B.V. is proud to introduce its in-house developed oxygen analyser AAL7000.

Aalborg Industries' history in design and manufacturing goes far back.

Willem Smit & Co's Transformatoren-fabriek NV, founded in 1875, has designed and built furnaces from 1936 and inert gas generators from 1957. In 2006, the Aalborg Industries Group acquired Smit Gas Systems.

In recent years, the need for a more stable and accurate oxygen analyser for marine applications has arisen. With our experience in this area we have focused on specific properties that have caused problems with other systems previously used in our inert gas generators.

After extensive research, development and testing Aalborg Industries introduces the new oxygen analyser **AAL7000**. The oxygen analyser is designed for high performance and easy operation.

- On the front of the monitor, a 2 x 16 characters display and four keys for operation are accessible.
- At the back of the monitor the terminals are split in 2 columns for convenient installation.

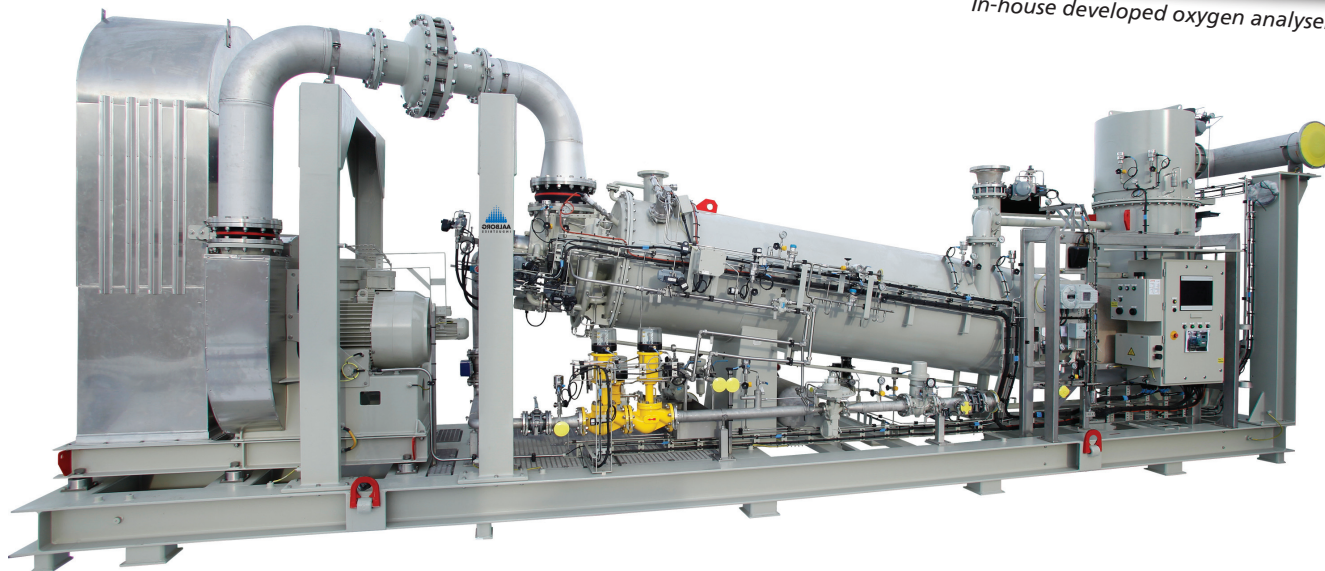
AAL7000 is based on a state-of-the-art microprocessor and is manufactured under stringent ISO/NATO ICB regulations.

The AAL7000 features two main instruments:

- Monitoring unit processing the probe signal making operation and calibration easier.
- Zirconia-oxide oxygen probe generating a signal of present oxygen contents in the inert gas generator sample line.



In-house developed oxygen analyser



New oxygen analyser AAL7000

With its high performance design, the AAL7000 stands for:

- Durability
- Low maintenance
- Low-cost

AAL7000 specifications:

Measurement range: 0 – 21% O₂

Accuracy: < 0.2% O₂

Response time: < 1 sec

Power-up: 5 minutes

The electrical power supply is provided by a separate unit and the probe has a Planar ZrO₂ dual cell. To increase safety and minimise un-

planned downtime, we also supply a double installation system. The double installation system provides redundancy for uninterrupted operation.

The AAL7000 is certified under the M.E.D. and is type approved by DNV.

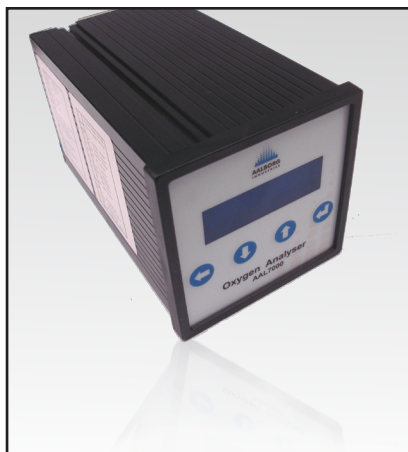
Key features AAL7000:

- Robust housing
- Vibration resistance
- Heat resistance
- Less power-up time
- Quick response time
- Improved accuracy
- Wider range

Aalborg Industries has compiled a modification kit including drawings and replacement guide supported with photos to upgrade from the existing oxygen analyser to the AAL7000.

The single modification kit contains:

1. Analyser
2. Probe
3. Power supply 24V
4. Hole punch E-panel
5. Gland probe cable
6. Adapter plate
7. Cable numbers and small parts
8. Documentation set



Aalborg Industries' oxygen analyser



Installation of the AAL7000



Double installation

Please contact our support desk:

Telephone: +31 (0)24 3523 200

E-mail: inertgas.aftersales@aalborg-industries.com

On request, support is also provided by a service engineer on site.



The "Aalborg Proactive" service letter is published by Aalborg Industries' global business centre for Inert Gas Systems and deals with operation and maintenance of inert gas generators and inert gas systems. Ideas and suggestions for topics are most welcome.

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