

SERVOTOUGH 1162A (2232) Wet Gas Sampling System

Product overview



Sampling system for Servomex paramagnetic oxygen analyzers

For use with:

SERVOTOUGH OxyExact 2200

The SERVOTOUGH OxyExact high specification O₂ analyzer offers an unrivalled combination of precision, flexibility and performance for optimum process and safety control. The OxyExact can be configured with a hazardous area control unit with up to six transmitters.



Gas	Measures	Application
Oxygen	Percent	Process control Process safety



SENSING TECHNOLOGY

Paramagnetic



Suitable for

- Wet samples
- Indoor and sheltered outdoor locations
- Standard output flow rate

For more information visit servomex.com/contact

SERVOTOUGH 1162A (2232) Wet Gas Sampling System

Product overview

A no compromise solution

The 1162A Wet Gas Sampling System is designed to complement the range of Servomex process analysers and provide a stable sample flow optimised to ensure the fundamental Analyser performance is not degraded.

Unbeatable value

The 1162A presents a cost effective solution that sits between the need to present a clean, dry gas to the paramagnetic analyser and an incoming sample gas with a low level of entrained condensate (typically less than 0.5ml liquid per litre of gas).

Performance you can depend on

The 1162A design is based on tried and tested principles that will be found on Servomex paramagnetic analysers going back over 60 years. Whilst the product has been tailored to suit either the 1800 or the 2200, the core design has been proven in the field for over 30 years.

Useful links:



servomex.com/service



servomex.com/systems



servomex.com/expert-guidance

 Watch our videos

SERVOMEX

PBTDS1162A Rev1 Date: 10/24

These analyzers are not intended for any form of use on humans and are not medical devices as described in the Medical Devices legislation or regulation.

Please note: Whilst every effort has been made to ensure accuracy, no responsibility can be accepted for errors and omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards and guidelines. This document is not intended to form the basis of a contract.

Servomex has a policy of constant product improvement and reserves the right to change specifications without notice. © Servomex Group Limited. 2024. A Spectris company. All rights reserved.

SERVOTOUGH 1162A (2232) Wet Gas Sampling System

Technical Data Sheet

Specifications

Performance	
Sample flow rate	200ml/min (recommended)
By-pass flow rate	400 to 1100 ml/min (air)
Filter	90% retention of 0.6mm particles 'Dirty' samples must be prefiltered by an external large area filter
Response time (T ₉₀)*	<14 seconds (includes analyzer)
Sample conditions	
Sample inlet pressure**	2 to 140 kPa (0.3 to 20 psig)
Dew point	45°C maximum
Condensate	Maximum entrained condensate load 0.5ml of liquid per litre of gas
Operating environment	
Temperature range	Operating: -10 to +50 °C (+14 to +122°F)*** Storage: -20 to +55°C (-4 to +131°F)
Ambient pressure	79 to 124 kPaa (11 to 18 psia)
Physical	
Connections	1/4"NPT (int) connectors
Size	300mm (H) x 150mm (W) x 120mm (D) (200mm including mounting)
Weight	2.7kg (5.95lbs)

* With by-pass flow of 400ml/min and sample flow of 200ml/min

** Bubbler must vent to atmosphere pressure

*** Below 0°C water in the bubbler should be replaced by ethylene glycol

Sample wetted materials

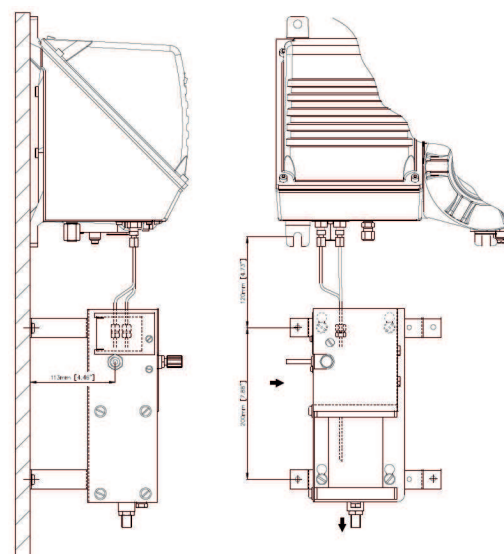
Standard Material of Construction	Stainless Steel SS316 PTFE Polypropylene Glass fiber/epoxy resin Glass Viton® (or EPDM upon request)
-----------------------------------	---

Options

Wet gas panel for SERVOTOUGH OxyExact 2200	02232000 ☐
---	-----------------------------------

Wet Gas Panel shown attached to a
SERVOTOUGH OxyExact 2200

Dimensional drawings



The performance specification has been written and verified in accordance with the international standard IEC 61207-1:1994 "Expression of performance of gas analyzers"

We're ready to help

Whatever your gas
analysis requirements,
wherever you are.

These analyzers are not intended for any form of use on humans and are not medical devices as described in the Medical Devices legislation or regulation.

Please note: Whilst every effort has been made to ensure accuracy, no responsibility can be accepted for errors and omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards and guidelines.

This document is not intended to form the basis of a contract.

Servomex has a policy of constant product improvement and reserves the right to change specifications without notice.

Analysis that **empowers**

© Servomex Group Limited. 2024. A Spectris company.
All rights reserved.

PBTDS1162A Rev1 Date: 10/24

SERVOMEX 
a **spectris** company