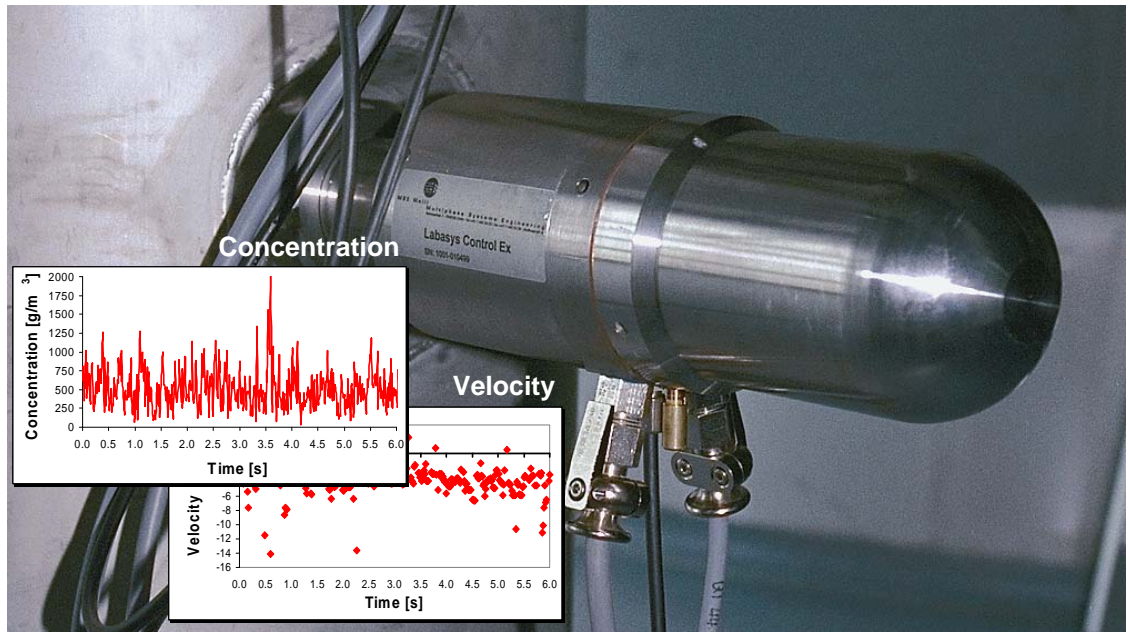




Labasys[®] Control


In-line Concentration & Velocity Determination



Description

The measuring system LABASYS[®] Control Ex is a robust instrument for the **in-line determination of dust concentration and velocity** in gas solids flows. The measuring principle is laser backscattering. A special fiber optical design allows an unambiguous calibration. MSE Meili assists its customers obtaining accurate calibration data through its unique **calibration service**. A patented (pending) pneumatic cleaning mechanism prevents soiling even with sticky or moist products. An optional cooler allows the operation at elevated temperatures.

Features

- **in-line** determination of **concentration** and/or **velocity** (optional).
- **explosion protected** for zones **10/11 gas** and **20/21 dust**:  II 1/2 GD EEx d IIC T6, CE mark.
- high sensitivity and accuracy.
- **efficient cleaning** unit allows for reliable measuring results even with sticky or moist products.
- **cleaning-in-place CIP** capable.

Suited for **in-line process & quality control!**

info@msemi.ch, <http://www.msemi.ch>

All information is subject to change without notice. © 2011 by MSE Meili AG

Specifications

- **concentration (gas/solids suspension):**

Measuring range ¹		Measuring volume
Vol.-Concentration [vol.%]	Concentration ² [kg/m ³]	Length [mm]
0.1 - 60%	1 - 1'500	2 - 8
0.0001 - 1%	0.001 - 10	10 - 150

¹ Range depending on optics and solids type ² solids density: 1000 kg/m³

- **velocity (optional):** 0.05 to 200 m/s
- **output signal:** 4-20 mA (concentration) or via PC
- **process conditions:**
 - temperature: ≤ 110 °C non condensing
 - pressure: ≤ 10 bar (depending on connector)
- **environmental conditions:**
 - temperature: - 0 to 40 °C without cooler
 - ≤ 80 °C with cooler
 - humidity: 0-99% non condensing
- **enclosure:** IP 67
- **material:** stainless steel 1.4404/1.4305
- **physical dimensions:** Ø 150x400 mm, 15 kg
- **connector:** screw joint DN 50 according DIN 11851

Models with other specifications upon request.

MSE Meili AG – Multiphase Systems Engineering
Rheinweg 1, CH-8200 Schaffhausen, Switzerland
Tel: +41-(0)44-440 55 00 Fax: +41-(0)44-440 55 04