



For over 40 years, **weber Sensors** has been a quality manufacturer of measuring and sensing instruments for industrial customers worldwide. Pioneer of the innovative **Calorimetric Principle**, weber's versatile line of solid state **flow-captors** provide non-mechanical measurement of air and liquid flow. The versatile **flow** and **vent-captors** can provide switching or metered outputs for a wide variety of applications including:

- Monitor lubricant or cooling water to machinery
- Low flow measurements for dosing of chemicals
- Pump Protection
- Cooling air or air-purge flow monitoring
- Accurate metering of flow and temp. with digital display

Industries served include:

- Pulp & Paper
- Water Treatment
- Transportation
- Pumps
- Power Generation
- Pharmaceuticals
- Industrial Machinery
- Chemicals
- Military vehicles
- Food & Beverage

In addition, weber also manufactures a complete line of products tailored to the mining and metals industries including:

foto-captors – Hot Metal Detectors for tracking of hot metal in the steel making process

laser-captors – Light barrier systems for harsh industrial environments

proxi-captors – Inductive proximity sensors with switching or analog outputs

As a member of the world wide **captor Group**, our engineering and manufacturing resources enable us to lead the way in product innovation and customer satisfaction. Custom designs for OEM applications are readily available. Please, give us a call...we want to hear from you!

weber
Sensors Inc

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product overview

make sure, it's a captor

flow-captor

The **flow-captor** is a compact, rugged and reliable flow sensor with proven reliability and long-term stability. Operating according to a calorimetric principle the **flow-captor** offers a level of performance, especially at low flow rates, incomparable with instruments employing different operating principles. The **flow-captor** is available in a range of many different models.



Metering Flow Switch with Analog Display

For liquid media. Compact and inline version. Separate adjustment of range



and set-point. Analog display of flow rate and set-point. High accuracy even under low flow conditions. Applicable for high temperatures. High pressure resistance. Inline version for small diameters.

Stainless Steel Version

For liquid media – also aggressives. Rugged industrial construction with stainless steel housing. High class protection IP 67. Standard industrial connector M12x1. Inline version available in 4 different pipe sizes. Standard models for AC and DC supply voltage.



Programmable Mass Flow Measuring System

For liquid media – also aggressives, Inline version. Flow rate and temperature measurement. Analog current outputs 4-20 mA. Applicable as a two-point controller for max. and min. flow limit values. Display of flow rate, temperature and limit values.



Flow Meter Compact / Inline

For liquid media – also aggressives. Rugged industrial stainless steel sensor. Large measuring range – fully adjustable. High accuracy even at low flow rates. Inline unit available in 4 different pipe sizes.



vent-captor



The **vent-captor** is a flow monitor/meter for all applications where air as an industrial medium has to be monitored or measured.

This compact, electronic unit operates on a calorimetric principle with no mechanical moving parts. It converts the air flow conditions into electrical signals.

Flow Monitor/Flow Meter

For air and gaseous media. Rugged industrial version. For high pressure available in stainless steel housing. For high temperature as a remote system. Large measuring range up to 30 m/s. Compact and inline version. Suitable for low flow rates. High accuracy and repeatability.



vent-captor Monitors and meters can be installed simply into any air flow and perform reliably even under the harshest application conditions.



foto-captor



The **foto-captor** is a hot metal detector (HMD) which, for decades, has been operating successfully worldwide in the steel industry.

Infrared Switching System (HMD)

- For hot areas of the steel industry
- Various application possibilities
- Temperature response from 270 °C to 800 °C
- Rugged industrial version
- Compact and remote systems
- Programmable Systems

IR-Light Barrier System

- For cold areas

laser-captor

High Performance Laser Light Barrier System. Powerful pulsed laser system. Rugged design for operating in harsh environments. Reliable, maintenance free. Highest protection standard, laser class 1.



proxi-captor

Induc-



tive Proximity Switch and Meter for large switching distances up to 250mm. Self-adjusting or adjustable. Rugged, fully encapsulated electronics. Plastic or aluminum housings. For high ambient temperature up to 200 °C with

cooled units up to 1000 °C. Compact and remote systems. Customized versions available.