

EPSIMETAL strain sensor

Main applications



EPSIMETAL strain sensor

Molding machines



Aluminium molding, plastic and rubber injection

EPSIMETAL strain sensor

Molding machines



Complete systems for tie bars

EPSIMETAL strain sensor

Molding machines



Easy set up

EPSIMETAL strain sensor

Overload control

- Lift trucks

- Boom lifts

- Elevators



EPSIMETAL strain sensor

Overload control

- Lift trucks



EPSIMETAL strain sensor

On board weighing

- Trucks
- Tankers
- Trailers



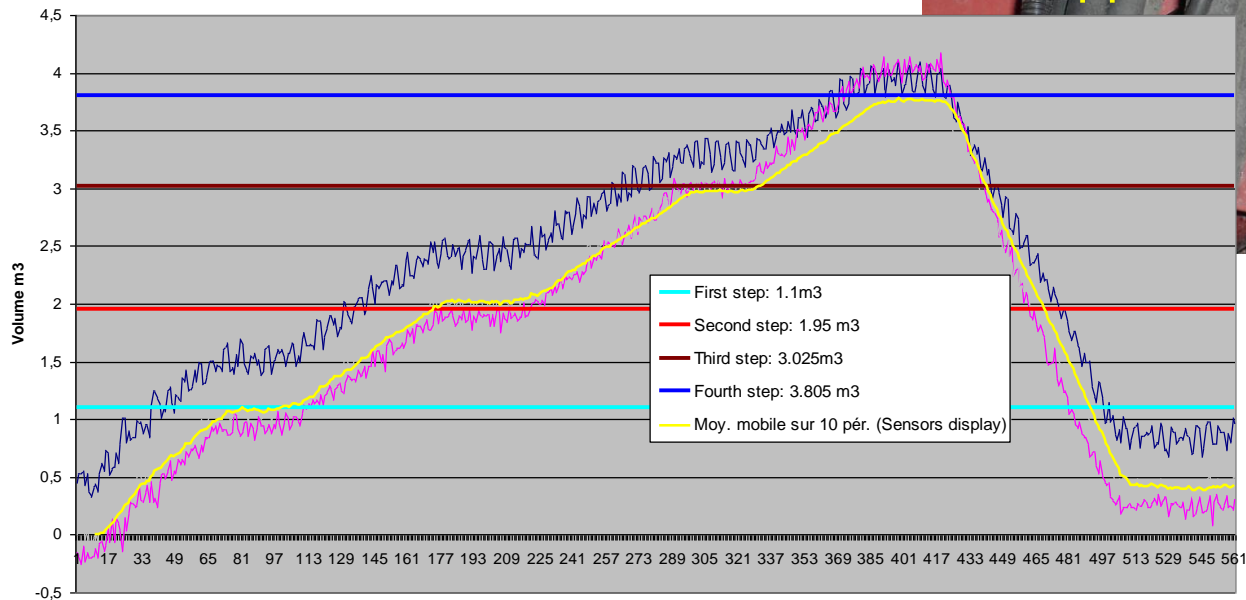
EPSIMETAL strain sensor

On board weighing

- Tankers

One sensor
on each tank
support

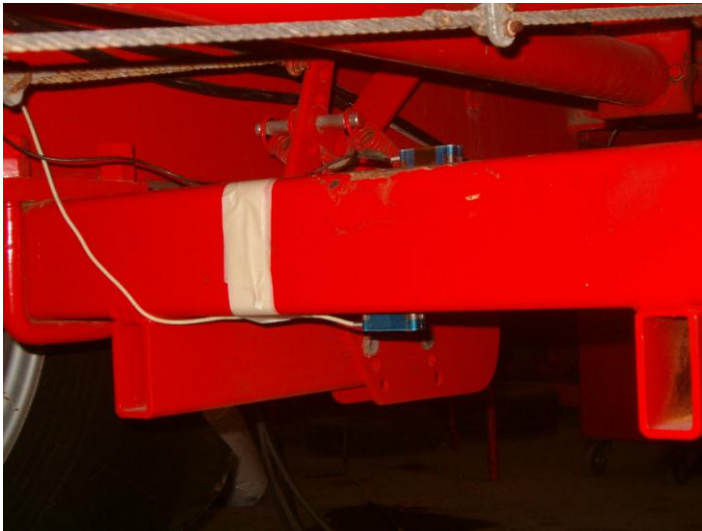
Comparison between sensors display and direct volume measurement



EPSIMETAL strain sensor

On board weighing

- Trailers



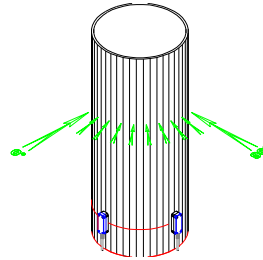
EPSIMETAL strain sensor

Stress and force measurement

- Vehicle frames and components



- Buildings and various structures



EPSIMETAL strain sensor

Industrial process monitoring

Rolling mills



Stamping press



Welding guns



Advantages

- The integral gauge bridge, digitally adjustable by RS232, is set to provide a high-level output and compensation for thermal expansion on any material.
- EPSIMETAL's **Flexibility** gives it a measuring range of $1,000\mu\text{m}/\text{m}$, with a resolution of at least $1\mu\text{m}/\text{m}$, in **tension** or compression.
- Due to a patented system of mechanical biases which compensate for the stresses of the sensitive part, the zero drift is **negligible** and the repeatability excellent.
- **EPSIMETAL** can be installed using 4 screws or attached directly using **removable feet**. These latter can be machined on demand according to the shape of the support (for example, different diameters of columns). Therefore, EPSIMETAL is a reusable product.

