

FLUXUS® CA Compressed Air Flow Measurement Solutions

Non-invasive - Accurate - Reliable

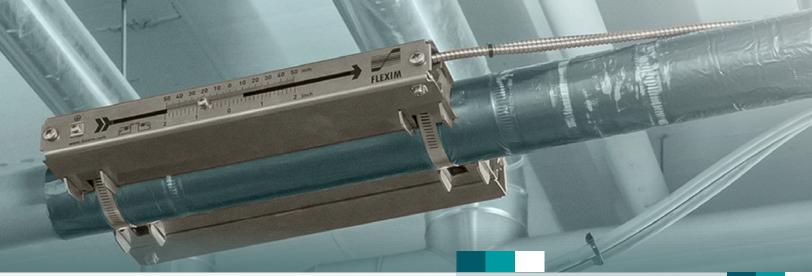
Consumption Metering

Leak Detection

Line Balancing



FLEXIM when measuring matters



Non-invasive Compressed Air Flow Measurement

Compressed air accounts for as much as 10% of industrial consumption of electricity. However, often less than 10% of this energy is converted to usable energy delivered to the end-users.

Measuring the compressed air flow precisely in all conditions is the key to improving the energy efficiency of compressed air systems while reducing costs.

Using state-of-the-art technology, non-invasive ultrasonic flowmeters provide the best measurement solutions.

→ Non-Invasive

It has never been so convenient to install a flow meter, as all the conventional steps, such as shutting down processes, cutting pipes, welding flanges, are no longer necessary.

→ No Risks of Secondary Contamination of Compressed Air
In many cases the compressed air that comes into contact with
products or people at the end use of a process needs to be of
very high quality. Using a non-invasive ultrasonic flow meter is
the best option for such situations, as the compressed air is
never touched by flowmeters.

→ No Risks of Potential Leakage

Leaks can waste up to 30% of the useful energy in compressed air systems. Compared to inline flowmeters, the non-invasive ultrasonic flowmeter gives zero chance of potential leakage, as the pipe system is always intact.

→ Zero Wear and Tear

Without moving parts, and with no contact to the moving airflow, non-invasive ultrasonic flowmeters have absolutely no wear and tear, which reduces the total costs of ownership significantly.

Maintenance-free

Old clamp-on ultrasonic flowmeters need to have their transducers regularly greased. FLEXIM has overcome such challenges, meaning that FLEXIM flowmeters are truly install-and-forget, where regular maintenance can be a thing of the past.





FLUXUS® CA The Smart Solution for Measuring Compressed Air

Whilst being widely used in compressed air systems, conventional technologies such as thermal mass, differential pressure and vortex flowmeters have inevitable disadvantages, such as process shut-down during installation, high installation and maintenance costs, pressure drop, poor turndown ratios, etc.

Non-invasive FLUXUS® CA ultrasonic flowmeters overcome all these technical challenges and provide the best measurement solutions for compressed air.

Unique, versatile and robust with unbeatable features

→ Competent for Low Pressure Systems

Thanks to FLUXUS® CA cutting-edge technology, compressed air systems can be measured at pressures as low as 45 psi. On plastic pipes it can even be measured down to atmospheric pressure.

→ High Sensitivity to Extremely Low Flow

FLEXIM flowmeters are able to detect flow down to 0.03 ft/s, which truly provides plant operators the unique opportunity to detect even a slight leakage of compressed air systems.

→ Covering full Pipe Ranges

Besides the most common pipes sizes from 0.6 to 10 inches, FLUXUS® CA are capable of measuring even smaller or larger pipes (customized system solutions), maximizing the customer's value.

→ Portable in FM Class I, Div. 2

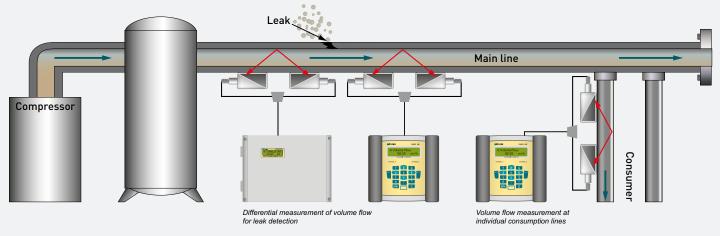
The easy-to-perform temporary measurement is one of the outstanding advantages of clamp-on flowmeters. As the pioneer in this field, FLEXIM is far beyond the industrial convention, uniquely offering portable flowmeters suitable for FM Class I, Div. 2.

Powerful, flexible, reliable and well suited to all kinds of assignments

With both portable and fixed measurement systems, FLUXUS® CA makes an easy job of any compressed air flow measurement.

- → for energy audits compliant with ISO 50001 or EN16247
- → for metering the consumption of compressed air
- → for checking and verifying existing flowmeters
- → for leak detection of either the whole system or a subsection
- for balancing pipe networks within plants and production environments
- → for individual measurement of virtually any com pressed air branch
- → for monitoring compressor efficiency

All measurement data can be transferred to central control systems through the integrated field bus systems.

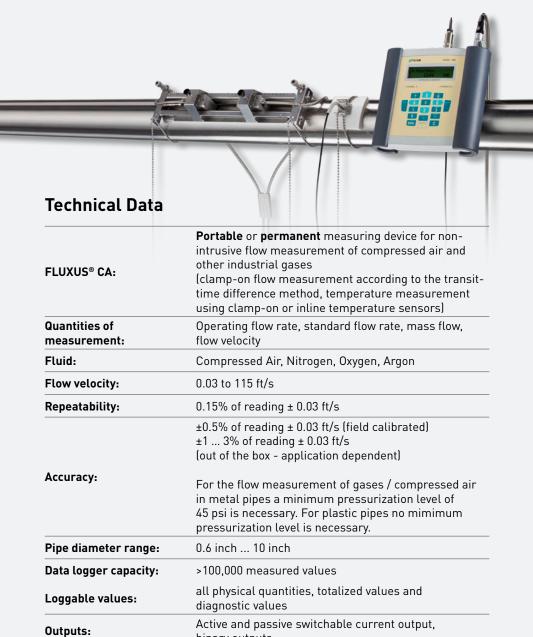


FLEXIM

More than 25 years of experience in ultrasonic flow meter technology







FLEXIM AMERICAS
Corporation
Headquarter
250-V Executive Drive
Edgewood, NY 11717

Phone: (631) 492-2300

FLEXIM has offices located throughout North America.

Please have a look for your local representative at:

www.flexim.com or call us at: 1-888-852-PIPE

* under reference conditions and with v > 0.5 ft/s

Inputs:

Protocols:

Communication

Explosion protection:





binary outputs

Temperature input (Pt100/Pt1000), current input

Modbus RTU, M-Bus, BACnet MS/TP, RS485

FM Class I, Div. 2 or ATEX zone 2 (optional)

^{**} if reference uncertainty better than < 0.2%