



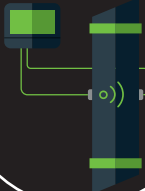
A smarter,
more secure way
to analyse fluids.

Acosense is an online instrument for intelligent fluid analysis. The instrument is installed on the outside of the pipe through which the fluid flows, entirely non-invasive why no production stop is needed.

Your selected fluid properties is analysed in real-time using sound waves, requiring no physical contact with the fluid, facilitating a quick installation and minimum maintenance. The fluid properties selected for analysis is

determined through the choice of associated software package. Examples of possible fluid properties include sludge content, dry substance, density, pulp consistency and viscosity.

Acospector is installed on the outside of the pipe, non-invasively, so no production stop is needed.



Acospector listens to the fluid passing through the pipe. Or, to be more precise, it sends and receives acoustic signals that are analysed.



The information is transmitted to an existing control system, where the operator can observe the value in real-time.



PRODUCT SPECIFICATION

PARAMETER	VALUE	COMMENTS
Area of application	On-line fluid analysis tool	Chemical, paper & pulp, food processing, water treatment industries etc.
Advantages	Non-invasive, self-monitoring, simple and secure installation.	
Exterior temperature tolerance	-20°C - +40°C	
Pipe temperature tolerance	-20°C - +120°C	Other temperatures on request.
Pipe diameter	50 - 500 mm	Other dimensions on request.
Pipe material	Metal	
ATEX / EX	II 2 G Ex db IIC T4 Gb	EX-version available.

SIGNAL UNIT

Dimensions	L260xH210xW90 mm
Enclosure Rating	IP67
Material	Aluminium
Power supply	110/230V - 50/60Hz

ACCELEROMETER

Dimensions	H25 mm, Ø 20 mm
Mounting	Adhesive
Enclosure Rating	IP68

ACTUATOR

Dimensions	H95 mm, Ø 20 mm
Mounting	Adhesive
Enclosure Rating	IP67

CALCULATION UNIT

Dimensions	L433xH43xW289 mm	
Mounting	Server rack	
Constant Current Excitation	4-20 mA	Other protocols on request.

