



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 concistency 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.



## PRODUCT SPECIFICATION

Area of application   On-line fluid analysis tool   Chemical, paper & pulp, food processi water treatment industries etc.     Advantages   Non-invasive, self-monitoring, simple and secure installation.   simple and secure installation.     Exterior temperature tolerance   -20°C - +120°C   Other temperatures on request.     Pipe temperature tolerance   -20°C - +120°C   Other dimensions on request.     Pipe temperature tolerance   50 - 500 mm   Other dimensions on request.     Pipe temperature and secure installation.   EX-version available.   EX-version available.     SiGNAL UNIT   II 2 G Ex db IIC T4 Gb   EX-version available.   EX-version available.     SiGNAL UNIT   II 2 G Ex db IIC 74 Gb   EX-version available.   EX-version available.     SiGNAL UNIT   II 2 G Ex db IIC 74 Gb   EX-version available.   EX-version available.     Signal unitim   Non-invasive set   EX-version available.   EX-version available.     Accelerometter   Non-invasive set   EX-version available.   EX-version available.     Dimensions   H25 mm, Ø 20 mm   EX-version available.   EX-version available.     Accelerometter   IIP68   IIP67   IIIP EX-VEX   IIIP EX-VEX     Dimensions   H	PARAMETER	VALUE	COMMENTS
simple and secure installation. Exterior temperature tolerance Pipe temperature tolerance Pipe diameter SO - 500 mm Other dimensions on request. Pipe material ATEX / EX II 2 G Ex db II C T4 Gb EX-version available. SIGNAL UNIT Dimensions Enclosure Rating PiP7 Material Aluminium Power supply 10/230V - 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 IP68	Area of application	On-line fluid analysis tool	Chemical, paper & pulp, food processing, water treatment industries etc.
Pipe temperature tolerance Pipe diameter   -20°C - +120°C 50 - 500 mm Metal II 2 G Ex db IIC T4 Gb   Other temperatures on request. Other dimensions on request.     Pipe material ATEX / EX   II 2 G Ex db IIC T4 Gb   EX-version available.     SIGNAL UNIT Dimensions   L260xH210xW90 mm IP67 Aterial   EX-version available.     Power supply   110/230V - 50/60Hz   Fill State     ACCELEROMETER Dimensions   H25 mm, Ø 20 mm Adhesive IP68   Fill State     ACTUATOR Dimensions   H95 mm, Ø 20 mm Adhesive IP68   Fill State     ACTUATOR Dimensions   H95 mm, Ø 20 mm IP68   Fill State     ACTUATOR Dimensions   H95 mm, Ø 20 mm IP68   Fill State     ACTUATOR Dimensions   H95 mm, Ø 20 mm IP68   Fill State     ACTUATOR Dimensions   H95 mm, Ø 20 mm IP67   Fill State     Dimensions   H95 mm, Ø 20 mm IP67   Fill State     Actuator Dimensions   H95 mm, Ø 20 mm IP67   Fill State     Dimensions   H95 mm, Ø	Advantages		
Pipe diameter   50 - 500 mm   Other dimensions on request.     Pipe material   Metal   II 2 G Ex db IIC T4 Gb   EX-version available.     SIGNAL UNIT   Dimensions   L260xH2J0xW90 mm   Ex-version available.     Dimensions   L260xH2J0xW90 mm   Ex-version available.     SIGNAL UNIT   Dimensions   L260xH2J0xW90 mm     Enclosure Rating   IP67     Material   Aluminium     Power supply   110/230V - 50/60Hz     Dimensions   H25 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP68     Actuator   Power     Dimensions   H25 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP68     Actuator   IP67     Dimensions   H95 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP67     Dimensions   H95 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP67     Dimensions   L433xH43xW289 mm	Exterior temperature tolerance		
Pipe material ATEX / EX Metal II 2 G Ex db IIC T4 Gb EX-version available.   SIGNAL UNIT Dimensions L260xH210xW90 mm Ex-version available.   SIGNAL UNIT Dimensions L260xH210xW90 mm Image: Comparison of the text of text			
ATEX / EXII 2 G Ex db IIC T4 GbEX-version available.SIGNAL UNITDimensionsL260xH210xW90 mmEnclosure RatingIP67MaterialAluminiumPower supply110/230V - 50/60HzACCELEROMETERDimensionsH25 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP68ACTUATORDimensionsH95 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP67DimensionsH95 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP67DimensionsH95 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP67DimensionsH95 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP67			Other dimensions on request.
SIGNAL UNIT     Dimensions   L260xH210xW90 mm     Enclosure Rating   IP67     Material   Aluminium     Power supply   110/230V - 50/60Hz     ACCELEROMETER   Dimensions     Dimensions   H25 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP68     ACTUATOR   Dimensions     Dimensions   H95 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP63     CACULATIOR   IP67     Dimensions   H95 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP67     CALCULATION UNIT   IP67     Dimensions   L433xH43xW289 mm			
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DimensionsL260xH210xW90 mmEnclosure RatingIP67MaterialAluminiumPower supply110/230V - 50/60HzACCELEROMETERDimensionsH25 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP68ACTUATORDimensionsH95 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP68CALCULATION UNITDimensionsL433xH43xW289 mm	SIGNAL UNIT		
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ACCELEROMETER     Dimensions   H25 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP68     ACTUATOR   IP68     Dimensions   H95 mm, Ø 20 mm     Mounting   Adhesive     Enclosure Rating   IP67		Aluminium	
DimensionsH25 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP68ACTUATORH95 mm, Ø 20 mmDimensionsAdhesiveEnclosure RatingIP67CALCULATION UNITIP67DimensionsL433xH43xW289 mm	Power supply	110/230V ~ 50/60Hz	
DimensionsH25 mm, Ø 20 mmMountingAdhesiveEnclosure RatingIP68ACTUATORH95 mm, Ø 20 mmDimensionsAdhesiveEnclosure RatingIP67CALCULATION UNITDimensionsL433xH43xW289 mm	ACCELEROMETER		
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MountingAdhesiveEnclosure RatingIP67CALCULATION UNITDimensionsL433xH43xW289 mm	ACTUATOR		
Enclosure Rating IP67   CALCULATION UNIT IP67   Dimensions L433xH43xW289 mm	Dimensions	H95 mm, Ø 20 mm	
CALCULATION UNIT   Dimensions L433xH43xW289 mm	Mounting	Adhesive	
Dimensions L433xH43xW289 mm	Enclosure Rating	IP67	
	CALCULATION UNIT		
Mounting Server rack	Dimensions	L433xH43xW289 mm	
	Mounting	Server rack	
Constant Current Excitation 4-20 mA Other protocols on request.	Constant Current Excitation	4-20 mA	Other protocols on request.

