

# Flow Measurement of Methanol

**Non-invasive, and therefore appropriate for all types of aggressive, toxic or non-conductive fluids, as well as for fluids under high pressures or at high temperatures**

Measuring Task		Method		Medium	
	Clamp-on flow measurement		Ultrasound		Methanol
<b>Features</b>		<b>Measuring Task.....?</b>			
<ul style="list-style-type: none"> <li>Product: methanol</li> <li>Pipe: stainless steel</li> <li>Diameter: 100 mm / 3.9 in</li> <li>Wall thickness: 6 mm / 0.24 in</li> <li>Temperature: ambient temperature</li> <li>Pressure: 200 bar</li> <li>ATEX zone 1</li> </ul>		<p>During offshore oil extraction, methanol has to be injected into the well at the startup and at any interruption of the extraction process in order to prevent crystallization of crude oil in the deep, where low temperatures prevail. During the injection, the methanol flow must be monitored in order to avoid solidification. Due to the high pressures involved while injecting the methanol, it would be quite laborious, difficult and expensive to set up a wetted flow measuring system.</p>			
 <p><i>ATEX certified ultrasonic flowmeter FLUXUS® ADM 8027 for operation in explosion hazard areas</i></p>		<p><b>Solution.....!</b></p> <p>Non-invasive ultrasonic flow measurement is ideally suited for this application because it implies no pressure limitations and does not necessitate changes, opening or cutting of the piping. The measuring system is easily installed by mounting the clamp-on transducers in the robust Variofix rail mounting fixture which ensures a permanent and reliable coupling of the transducers with the pipe.</p>			
 <p><i>The Variofix mounting fixture ensures a reliable installation of the transducers</i></p>		<p><b>Advantages.....+</b></p> <ul style="list-style-type: none"> <li>ATEX certified measuring system for operation in explosion hazard areas</li> <li>No cutting into the pipe necessary for installing the measuring system</li> <li>Easy setup and maintenance</li> </ul>			
<p><b>info@flexim.com</b> <b>www.flexim.com</b></p>					