

# ROXAR SAM ACOUSTIC SAND MONITOR

The Roxar SAM Acoustic Sand Monitor delivers unprecedented oil and gas production performance. It permanently monitors the intensity or rate of sand production in real-time, enabling data-driven decisions that help you avoid:

- Asset erosion damage focused on chokes and sandscreens
- Unplanned outages related to sand screen or pipe clogging
- Reduced reservoir permeability because of uncontrolled sand migration

## Key Applications

- Permanent sand monitoring in start-up, clean up and production phases
- Alarm setting for critical sand production levels
- Four phase flow measurement when connected to the Roxar 2600 Multiphase Flow Meters

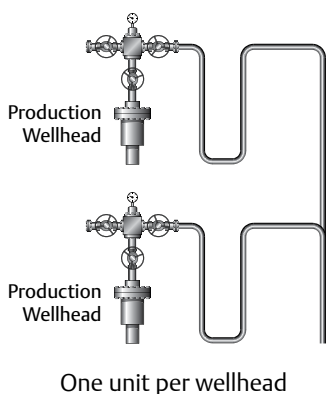
## Key Specifications

- Non-intrusive and easy to clamp instrument
- Approvals: ATEX, IECEx, CSA, Inmetro and EAC
- Flow velocity input: Only for rate quantification
- Surface temperature: -40 °C (-40°F) to +115 °C (239°F) or -40 °C (-40°F) to +290 °C (554°F).
- Hazardous Area: Zone 0, 1 and 2

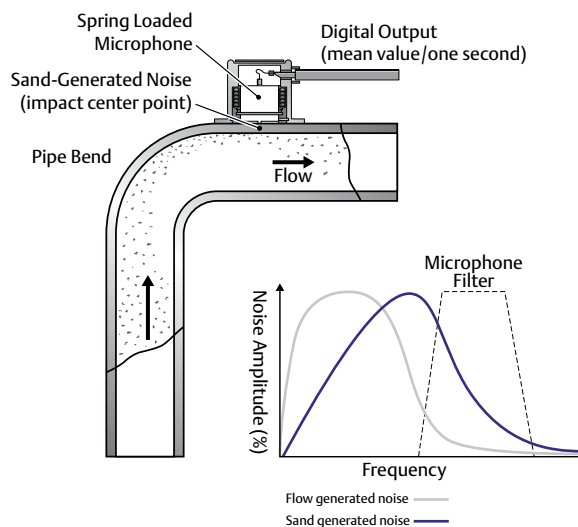


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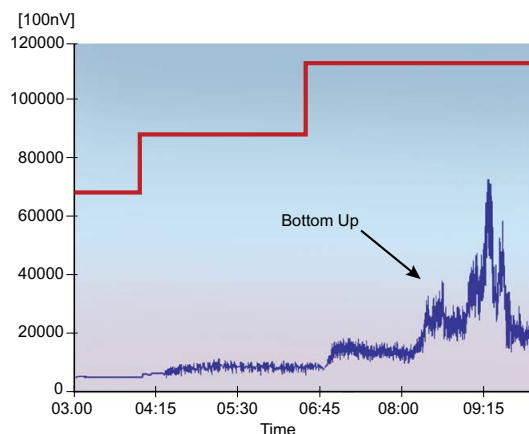
## Wellhead Continuous Sand Monitoring



## Installation & Measurement Principle



## Installation Actionable Information Roxar SAM received in DCS



One data point per second keeps sand production under control

[www.Emerson.com/Roxar](http://www.Emerson.com/Roxar)

**ROXAR™**

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