

# WEATHERFORD FLOW MEASUREMENT

## MULTIPHASE FLOW METERS

Our multiphase flow-measurement products deliver accurate and continuous individual- or group-well flow-rate measurements for oil, water, and gas.



### VS/R Wet-Gas Flowmeter

True three-phase measurements in wet gas environments

- Combines field-proven Venturi, sonar, and Red Eye measurement technologies
- Eliminates the need for a nuclear component or frequent field calibration



### VSRD Multiphase Flowmeter

Accurate and continuous multiphase measurements without separation

- Increases well-test frequency and accuracy while reducing both CAPEX and OPEX
- Provides built-in redundancy for gas- and liquid-rate measurements



### Red Eye® Multiphase Metering Systems

Complete skid-mounted system for accurate three-phase flow measurement

- Combines compact gas-separation technology with advanced liquid and gas metering
- Replaces conventional two- and three-phase test separators to deliver real-time data

# WATER-CUT METERS

Our Red Eye® water-cut meters provide real-time measurements in land or subsea applications across the full range of water cut from 0 to 100%.



### Red Eye Water-Cut Meter for Surface

Field-proven technology with more than 3,000 units deployed

- Provides accurate water-cut measurements in 0 to 99.5% gas void fraction (GVF)
- Delivers measurement uncertainty as low as  $\pm 0.2\%$



### Red Eye Water-Cut Meter for Subsea

The only full-range multiphase water-cut meter for subsea

- Leverages proven technology to perform reliably in harsh subsea environments
- Delivers continuous and reliable water-cut readings for the life of a well

	Water-Cut Meters		Multiphase Flow Meters		
	Red Eye Meter for Land	Red Eye Meter for Subsea	VS/R Wet-Gas Flowmeter	VSRD Multiphase Flowmeter	Red Eye Multiphase Metering Systems
Water-Cut Measurement	●	●	●	●	●
Multiphase-Flow Measurement			●	●	●
Real-Time Data	●	●	●	●	●
0 to 90% GVF	●	●		●	●
90 to 100% GVF (Wet Gas)	●	●	●	●	
Gamma Source				●	
Subsea Environments		●			
Moving Parts					●
Temporary Fluid Separation					●
Unaffected by Salinity	●	●	●	●	●
Unaffected by Emulsion	●	●	●	●	●
Corrosive Environments	●	●	●	●	

To learn how our technologies can work for you, please visit [weatherford.com/flow](http://weatherford.com/flow).

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