

MDseries Technology for Marginal Wells

Marginal well monitoring equipment for repeatable, highly accurate measurements and reduced operation costs

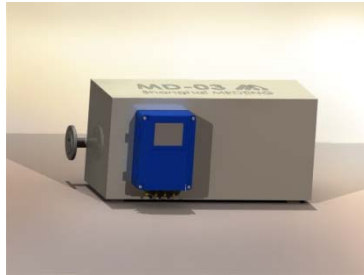
Applications

- Stripper well monitoring
- Production trending
- Flow measurements in slugs, foams, emulsions, and heavy oil

Benefits

- Improved well diagnostic and early detection of water entry and gas coning
- Easy installation and operation

Designed for easy deployment, the MDseries MPFM is the smallest and most economical multiphase equipment in the market.



Box Type
Approx. 3 x 1.5 x 1.5 ft



Table Type
Approx. 5 x 3 x 4 ft



FlowMaster Version 1.0 lets you see real-time measurements and operate the MPFM.

Features

- Repeatable, highly accurate measurements
- Exceptional dynamic response
- High-frequency data acquisition
- Flow computer (option)

How the game is changing...

The technology lets you measure at the extraction point oil and water flow rates easily without bulky separation. MD-02 and MD-03 can accurately determine the water cut and the gas (GVF) from crude oil. The equipment has no moving parts and is maintenance free. These models are designed to be so cost effective that the most marginal oil well can take advantage of this MPFM technology. They are installed easily and user friendly software allows you to closely monitor your well performance and control your operating cost.

Model	Specifications	Measurements			Liquids Flow Range (BPD)	Approx. Weight (lb)	Type
		Liquids	WC	Gas			
MD-02	Dual pressure differential transmitter GVF up to 15%	Yes	Yes	No	20~200	44	Box
					90~900	44	
					180~1,800	55	
					250~2,500	55	
					500~5,000	400	Table
MD-03	Differential pressure + ultrasound Doppler GVF up to 70%	Yes	Yes	No	20~200	44	Box
					90~900	44	
					180~1,800	55	
					250~2,500	55	
					500~5,000	400	Table
850~8,500	450						
MD-03 plus	Dual pressure differential transmitter + ultrasound Doppler Full range of GVF	Yes	Yes	GVF only	500~5,000	400	Table
					1000~10,000	400	
					customized range	400 - 700	