

# Echometer Equipment Comparison



**Well Analyzer**

**Model H**

**Model M**

**Wireless System**

	<b>Well Analyzer</b>	<b>Model H</b>	<b>Model M</b>	<b>Wireless System</b>
Size	18 3/4" x 15" x 6"	11" x 10" x 5"	11" x 10" x 5"	
Equipment	The well analyzer includes a laptop computer with TWM software that must be present for data acquisition.	Stand alone acquisition instrument. Digital display. Comes with software that can be installed on a laptop for data storage and analysis.	Stand alone acquisition instrument. Strip chart recorder. Acoustic trace prints out on strip chart paper.	Wireless system base station is accompanied by a laptop computer with TAM software that must be present for data acquisition.
Fluid Level Acquisition	Automatic analysis of liquid level data acquired.	Automatic analysis of liquid level data acquired.	Manual analysis of liquid level data acquired.	Automatic analysis of liquid level data acquired.
Method of Fluid Level Acquisition	Explosion, Implosion	Explosion, Implosion	Explosion, Implosion	Explosion using Wireless Remote Fire Gas Gun
Type of Liquid Level Analysis	Collar Count, Acoustic Velocity, Downhole Marker	Collar Count, Acoustic Velocity, Anomaly Marker Method	Manual analysis required	Collar Count, Acoustic Velocity, Downhole Marker
Pressure Reading Acquisition	The well analyzer is able to take pressure readings along with the liquid level data for additional pressure calculations.	The Model H is strictly a fluid level instrument and does not have pressure reading capabilities.	The Model M is strictly a fluid level instrument and does not have pressure reading capabilities.	The wireless system is able to take pressure readings along with the liquid level data for additional pressure calculations.



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Dynamometer Acquisition	The well analyzer is able to perform dynamometer measurement and analysis.	The Model H is strictly a fluid level instrument and does not have dynamometer measurement capabilities.	The Model M is strictly a fluid level instrument and does not have dynamometer measurement capabilities.	The wireless system is able to perform dynamometer measurement and analysis with a wireless PRT or wireless HT.
Power and Current Data Acquisition	The well analyzer is able to record and perform power and current measurement and analysis.	The Model H is strictly a fluid level instrument and does not have power and current measurement capabilities.	The Model M is strictly a fluid level instrument and does not have power and current measurement capabilities.	The wireless system will be able to record and perform current and power measurement and analysis, but hardware is not yet available.
Data File Management	Acquired data can be analyzed and saved to external sources or emailed.	Acquired data can be analyzed, saved to external sources or emailed. The Model H comes with a USB cable to upload data to a laptop computer.	The Model M produces a paper strip chart. It does not have any data storage capabilities.	Acquired data can be analyzed and saved to external sources or emailed.
Printing Reports	The TWM Software has report printing options.	The Model H does not have a print function.	The Model M does not have a print function.	The TAM Software has report printing options.
Intrinsic Safety Certification	The well analyzer is available with ATEX certification.	The Model H is intrinsically safe. ATEX and IECEx certified.	The Model M is available with ATEX certification.	The wireless system is awaiting intrinsic safety certification.