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Biofuels Instrument Comparison Chart

				
Model	**InfraCal 2 Analyzer, Model ATR-B**	**InfraCal 2 Analyzer, Model ATR-E**	**InfraSpec VFA-IR Spectrometer, Model E**	**InfraSpec VFA-IR Spectrometer, Model ES**
Components measured	Biodiesel	Ethanol	Biodiesel, FFA, water in feed-stock, total glyceride in production	Biodiesel, FFA, water in feedstock, total glyceride in production, etha-nol in gas, water in ethanol/methanol
Comparable methods	ASTM D7371, EN 14078	ASTM 4815	ASTM D7371, EN 14078, ASTM 4815	ASTM D7371, EN 14078, ASTM 4815
Data acquisi-tion	Stores and exports data	Stores and exports data	PC interface	PC interface
Battery pack	Internal	Internal	External	External
Calibrations	multiple	multiple	multiple	multiple
Display	Touch Screen	Touch Screen	PC interface	PC interface
Password protection	Yes	Yes	No	No
Battery Pack	Battery Pack	Internal	External	External

Measurement Specifications:

	Range	InfraCal Analyzer Instrument Repeatability	InfraSpec VFA-IR Spectrometer Instrument Repeatability
Biodiesel in Diesel	0.2-30%	+/- 0.2 or better depending on model	+/- 0.2
Biodiesel in Diesel	30-100%	+/- 1% of concentration	+/- 1% of concentration
Water in Ethanol	0-10%	N/A	+/- 0.2
Ethanol in Gasoline	0.2-20%	+/- 0.2 or better depending on model	+/- 0.2
Ethanol in Gasoline	20-98%	+/- 1% of concentration	+/- 1% of concentration

Ordering Information:

Part Number	Analyzer	Calibration
405-2017-1013	InfraSpec VFA-IR Spectrometer	Uncalibrated*
405-2041	InfraCal 2 Analyzer	Uncalibrated*

***Note:** Ethanol and biodiesel factory calibrations available from Wilks

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