

GASOLINE				DIESEL			
PROPERTIES		Range 1)		PROPERTIES		Range 1)	
RON		70 - 110		Cetane Number		20 - 80	
MON		65 - 105		Cetane Index		20 - 80	
AKI		67 - 107		Kinematic Viscosity @40°C		0 - 10 mm <sup>2</sup> /s	
RVP & DVPE		40 - 105 kPa		Dynamic Viscosity @40°C		0 - 10 mPas	
Distillation / Evaporation		IBP, T10, T50, T90, FBP, E70/100/150(°C), E200/300(°F)		CFPP		-50°C to +20°C	
Density		0 - 3 g/cm <sup>3</sup> (r <sub>s,d</sub> = 0.0005 g/cm <sup>3</sup> )		Distillation / Recovery		IBP, T10/50/65/85/90/95, FBP R250, R350	
Driveability Index (DI), VOC emissions, Vapor Lock Index (VLI)				Density		0 - 3 g/cm <sup>3</sup> (r <sub>s,d</sub> = 0.0005 g/cm <sup>3</sup> )	
COMPONENTS				COMPONENTS		Range 2)	
Oxygenates		Range 2)		Aromatics		Range 2)	
MTBE		0 - 20 m%		Benzene		0 - 10 m%	
TAME		0 - 20 m%		Toluene		0 - 20 m%	
ETBE		0 - 20 m%		o, p, m-Xylene		0 - 20 m%	
DIPE		0 - 20 m%		Ethylbenzene		0 - 20 m%	
Methanol		0 - 15 m%		Propylbenzene		0 - 20 m%	
Ethanol		0 - 20 m%		Mesitylene		0 - 20 m%	
Isopropanol		0 - 20 m%		Durene		0 - 20 m%	
2-Butanol		0 - 25 m%		Naphtalene		0 - 10 m%	
tert-Butanol		0 - 25 m%		Pseudocumene		0 - 20 m%	
Sec-Butylacetate		0 - 10 m%		2-/3-/4-Ethyltoluene		0 - 20 m%	
Iso-Butylacetate		0 - 10 m%		Other Aromatics		0 - 20 m%	
Dimethylcarbonate		0 - 10 m%		Anilines		Range 2)	
Dimethoxymethane		0 - 10 m%		Aniline		0 - 5 m%	
Acetone		0 - 25 m%		N-Me-Aniline		0 - 5 m%	
Other Oxygenates		0 - 20 m%		N,N-Dimethylaniline		0 - 5 m%	
Octane Boosters		Range 2)		o, p, m-Methylaniline		0 - 5 m%	
MMT/CMT (mg/l)		0 - 10000		Total Parameters		Range 1)2)	
Manganese (MMT)		0 - 2500		Total Oxygen		0 - 12 m%	
Manganese (CMT)		0 - 2500		Total Aromatics		0 - 80 m%	
DCPD		0 - 15 m%		Total Olefins		0 - 80 m%	
Nitromethane		0 - 9 m%		Di-Olefins		0 - 20 m%	
Other		Range 2)		Total Aniline		0 - 5 m%	
Cyclohexane		0 - 100 m%		Total Esters		0 - 5 m%	
				JET FUEL			
				PROPERTIES		Range 1)	
				Flashpoint		-20°C to +100 °C	
				Freezing Point		-80°C to +20 °C	
				Kinematic Viscosity @-20°C		0 - 10 mm <sup>2</sup> /s	
				Distillation		IBP, T10/50/90/95, FBP, E10/50, R200	
				Smoke Point		0 - 1000 mm	
				Total Aromatics		0 - 40 m%	
				Naphtalenes		0 - 5 m%	
				MSEP		60 - 100 %	
				Density		0 - 3 g/cm <sup>3</sup> (r <sub>s,d</sub> = 0.0005 g/cm <sup>3</sup> )	
				COMPONENTS		Range 2)	
				Biodiesel (FAME)		0 - 0.12 m%	
				FUEL ETHANOL MODULE			
				COMPONENTS		Range 2)	
				Ethanol		0 - 100 v%	
				Methanol		0 - 15 v%	
				Water		0 - 100 v%	
				Denaturant		0 - 100 v%	

**TECHNICAL DATA**

Standards & Practices	ASTM D5845, D6277, D7777, D7806, E1655, EN 238, EN 14078, ISO 15212
Correlation to	ASTM D86, D323, D445, D1319, D5191, D 6371, D6378, D613, D2699, D2700, D56/3828, D1322, D1840, D2386/D7153, D3948, D6379, ISO 3104, ISO 3405, ISO 5163, ISO 5164, ISO 5165, EN 116, EN 13016
Spectrometer	Temperature and Laser Regulated, 2+1 Cell-FTIR
Density Measurement	Temperature Regulated Oscillating U-Tube Cell
Warm-Up / Scanning Time	<30s / 80s (Multiple Scans)
Units of Measurement	v%, m%
Display	10" full color touchscreen
Interfaces	2x USB, 2x LAN
Power Supply	100-264 V AC, 45-63 Hz, max. 130 W (auto-switching power supply). 12 V DC vehicle battery adapter available for field use
Dimensions (WxHxD), Weight	293 x 390 x 280 mm (10.5 x 15.4 x 11 inch), 12 kg (26 lb)

<sup>1)</sup> Range and quality of property prediction depends on database used

<sup>2)</sup> The lowest concentration value is the Limit of Detection (LOD)