

Octane Number and Cetane Number Tester LOCT-A10



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Octane Number and Cetane Number Tester LOCT-A10 is benchtop unit designed to measure Motor octane number (MON) of aviation gasoline, light gasoline; Research octane number (RON) of gasoline for motor vehicles, blended gasoline, isomerised gasoline, arene gasoline, ethanol and Cetane number of automobile diesel fuel. Test results meets the standards of ASTM D2699-86 and ASTM D613 - 18a. Features like digital transmission technology, anti-jamming, accurate results after several repetitions, less sample volume, short test time, LCD display etc. makes it highly reliable. It is widely used in testing labs, petroleum industry, quality control, etc.

Features

- Octane number test results meets the standards of ASTM D2699-86
- Diesel fuel test results meets the standards of ASTM D613 - 18a
- Highly precise sensors
- Displays RON, MON and AK (antiknock) index simultaneously
- Calculates Cetane number automatically
- Digital transmission technology to transfer data
- Least variation in values
- Requires only 150 ml of test sample
- Results displayed within 1 min
- LCD display
- Can store data

Applications

It is used in petroleum and oil industry to determine MON, RON, AK index values for gasoline and Cetane number for diesel.

Specifications

Model No	LOCT-A10
Measuring Range For Aviation Gasoline	86.0 to 105.0/MON
Measuring Range For Gasoline For Motor Vehicles	National standard: 65.0 to 110.0/RON
	National-V standard: 70 to 115.0/RON
	Blended gasoline: 75.0 to 120.0/RON
	Light gasoline: 50.0 to 85.0 /MON
	Isomerized gasoline: 85.0 to 120.0/RON
	Arene gasoline: 90.0 to 120.0/RON
Measuring Range For Ethanol	E93: 92.0 to 95.0/RON
	E97: 95.0 to 99.0/RON
	Judgement: 60.0 to 120.0/RON
Measuring Range For Automobile Diesel Fuels	Cetane number: 25 to 75/CN
	Cetane index: 20 to 80/CI
Measuring Accuracy	Aviation gasoline: $\leq \pm 1.5$ /MON
	Gasoline for motor vehicles: $\leq \pm 1.5$ /RON $\leq \pm 1.5$ /MON
	Automobile diesel fuels: $\leq \pm 2.6$ /CN $\leq \pm 2.6$ /CI
	Regression sample retest: $\leq \pm 0.5$ /RON $\leq \pm 0.5$ /MON
	Regression sample measurement:
	$\leq \pm 1.5$ /RON $\leq \pm 1.5$ /MON
	Calibration accuracy: $\leq \pm 0.2$ /RON $\leq \pm 0.2$ /MON
Precision (Confidence Level 95%)	Reproducibility: $\leq \pm 0.5$ /RON
	Repeatability: $\leq \pm 0.2$ /RON
Minimum Scale	0.1/RON, 0.1/MON, 0.1/CI
Response Time	1 min
Ambient Temperature	10°C to 35°C
Humidity	< 85°C RH
Test Result	LCD display, it can store and print
Power Supply	AC (220 \pm 10%) V, (50 \pm 1) Hz