

InfraCal 2 ATR-E

Ethanol in Gasoline Analyzer

ASTM D4815

The InfraCal 2 Ethanol Blend Analyzer for measuring percent ethanol in gasoline is the ideal solution where a quick, accurate, on-site measurement is required and a single, repetitive ethanol blend analysis is needed. The InfraCal 2 ATR-E is based on proven infrared (IR) technology, and used by fuel terminals, laboratories and regulatory agencies worldwide. The compact, easy-to-use InfraCal 2 ATR-E has a measurement range of 0-20 & 70-98% ethanol in gasoline and an accuracy of +/- 0.2%. These results are comparable to ASTM D4815.

Samples are applied to a zinc selenide attenuated total reflectance (ATR) sample plate and easily cleaned with a cloth & isopropyl alcohol. No solvents requiring special ventilation, expensive waste disposal or difficult to clean cells are needed. The analysis can be done by non-technical personnel with no formal training and is ideal for lab or field use. The InfraCal2 ATR-E has a touch screen display, data storage and transfer, a multi-language interface and password protected settings. The internal battery pack allows for portability and up to 12 hours continuous use, providing results in under a minute at a fuel loading rack, in a laboratory or at a pump in a fueling station.

Benefits

Internal Data Storage: Data storage including each measurement tagged with analyst, location and date/time information, and password protected instrument settings

Export: Directly to your PC via USB or a Flash Drive

Touch Screen Display: The touch screen display allows a simple set up for quick operation along with an easy calibration wizard.

Internal Battery: The internal battery pack allows for portability and up to 6 hours continuous use.



Multi-Language Interface: English, Spanish, French, Arabic

Password Protected Settings: Calibration and data are password protected to avoid accidental deletion

No need for Installation/Commissioning: The InfraCal 2 is a portable analyzer, weighing less than 5 lbs. with a 6 in. square foot print, requiring no installation or commissioning, little to no routine maintenance or recalibration.

Minimal Consumables: The analysis requires little to no consumables making the cost-per-test minimal.

Specifications	
Analytical Wavelength	9.6 μ m, 1045cm ⁻¹
Suggested Operating Range	5°C – 40°C
Measurement Range	0 – 20 & 70 – 98% ethanol in gasoline
Analysis Time	Less than 30 seconds
Instrument Repeatability	0 – 20%±0.2%, 20 – 98%±1% of ethanol in petrol concentration
Power Requirements	18 volts DC, 3.3 amps, internal battery pack
Weight	5.8 lb. (2.6 kg) with battery -7.0 lbs (3.2 kg)
Dimensions	17 x 19.8 x 13.2 cm