

An instrument for measuring the presence of all FAME types in AVTUR



SA5000-0 FIJI FAME IN JET INSTRUMENT

IP PM-DT "Determination of the fatty acid methyl esters content of aviation turbine fuel with Fourier Transform Infrared spectroscopy - Rapid screening method".

- Measures the presence of all FAME types in AVTUR
- Analysis time 20 minutes
- 50ml sample volume
- Measuring range down to 10 mg/kg
- No hydrocarbon cleaning solvents required
- Laboratory and field instrument
- Suitable for untrained operators
- 110/240V operation & 12V option
- USB connection to PC/Laptop
- Footprint size 36 x 37 x 45 cm
- Windows based, XP/Vista/Windows 7 compliant software

The analyser measures the FAME levels in AVTUR (10 to 400 mg/kg or higher with dilution) to check they are within acceptable industry limits.

Using a unique sample preparation module (patent pending) the sample is pumped at a regulated flow rate through a proprietary disposable cartridge that is interfaced with the instrument. The sample components are spectrally analysed by the FTIR and a result is displayed within typically 20 minutes. The results are displayed as a simple go/no go for field use (user definable limits) and mg/kg volume. The system is self cleaning so no solvents are required. After each test the cartridge is simply and easily replaced and the instrument is immediately ready for the next sample.



TECHNICAL DATASHEETS AVAILABLE

SPECIFICATIONS

Measurement range:	10-400 mg/kg FAME in Aviation Turbine Fuels
Test duration:	20 minutes
Sample size	50ml
Operating temperature range:	5 to 40°C maximum (80% RH)
Computer interface:	2 x USB (Computer running FIJI software is required for operation)
Power:	50W maximum
Voltage:	100/250V, 50/60Hz
Size (HxWxD):	36 x 37 x 45cm
Weight:	16kg



SA5000-0

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ACCESSORIES - FIJI Fame in Jet Instrument

REQUIRED

SA5001-0 FIJI STARTER KIT, comprising 10 cartridges, 10 nylon filters, 280 low lint wipes, 11 50ml beakers, verification fluid 30 mg/kg and verification fluid 100 mg/kg.

OPTIONAL

SA5003-0 LOW LINT WIPES, pack of 280.

SA5006-0 FIJI LAPTOP

CALIBRATION, VERIFICATION & TRAINING

SA5020-0 FIJI VERIFICATION FLUID, 30 mg/kg.

SA5021-0 FIJI VERIFICATION FLUID, 100 mg/kg.

SA5025-0 CALIBRATION MATERIAL SET

CONSUMABLES - FIJI Fame in Jet Instrument

SA5004-050 BEAKERS, 50ml, pack of 50.

SA5005-010 FIJI CARTRIDGE, pack of 10.

SA5005-050 FIJI CARTRIDGE, pack of 50.

SA5005-100 FIJI CARTRIDGE, pack of 100.