Phase Technology does it again – another “first” for the petroleum industry.

Phase Technology’s new JFA-70Xi analyzer is the world’s first and only instrument that performs three crucial jet fuel tests in one unit—freeze point, viscosity and density. And, it does it all in less than 15 minutes!

Add cloud and pour point for diesel and you’ve got the most complete cold flow analyzer available!

**Automatic Sample Injection System**

The JFA-70Xi features a new, side loaded automatic sample injection port. There’s no longer a need to manually pipette. The analyzer always draws the precise amount of sample as required by the ASTM method.

The JFA is completely self-cleaning: no need of solvents.

**Unsurpassed ASTM Precision**

The JFA-70Xi’s ASTM D7945 viscosity method exceeds D445 with repeatability of <0.20%. And unlike other viscometers, with the JFA-70Xi there’s no bulky external chiller needed.

Freeze point is tested according to ASTM D5972, the most precise method in the world, with zero bias and 99% contamination detection. Density measurement correlates to ASTM D4052.

**Trusted 70Xi Analyzer Design**

The new JFA analyzer is built on the 70Xi series platform, so all the same time-saving, productivity-boosting features are included.
Freeze point, viscosity and density are three critical measurements for jet fuel. Freeze point affects fuel pumpability at low temperatures during flight. Viscosity has an effect on pumpability over the operating temperature range. Viscosity is important because it influences the droplet size and spray pattern of fuel that injected into the jet engines. It also affects pressure in the fuel system lines and the fuel pump. Density is a required measurement that is used in weight loading calculations for aircraft.

**Applications**

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**Options**

Phase Technology JFA-70Xi analyzers give you complete flexibility – choose the test options you need for a customized solution. Available JFA-70Xi configurations include:

- **JFA-70Xi**
  - Freeze point, viscosity, density for jet fuels
- **JFA-70Xi-AS**
  - Freeze point, viscosity, density for jet fuels; with 48-position autosampler
- **JFA-70Xi-PC**
  - Freeze point, viscosity, density for jet fuels; pour and cloud point for diesel fuels
- **JFA-70Xi-PC-AS**
  - Freeze point, viscosity, density for jet fuels; pour and cloud point for diesel fuels; with 48-position autosampler