

SmarTest BHS/FID Carrier - 15k

The SmarTest Carrier is a downhole tool for bottomhole sampling (BHS) and Fluid ID applications. It can carry any combination of three each BHS & FID tools with Metrol acoustic triggers or Expro's Petrotech PAR triggers. It can be used HPHT applications up to 15k psi and 400°F.

Standards SR tool connections in each end of the internal assembly ensures full compatibility with a range of standard 1³/₄" downhole tools.

The Fluid ID tool is a sensor system that can provide information about Density, Viscosity, Permittivity, Pressure, Temperature and pH. Sensor data can be sent to surface in semi real-time through the Metrol Paragon wireless acoustic telemetry system. Up to 42,000 full datasets are also stored on FLASH memory in real-time. By monitoring the fluid parameters at surface, the optimum time for triggering of bottom hole samplers can be found. Also, the well clean-up can be monitored in real-time to save rig-time and therefore costs.

The Carrier is not full bore, but the equivalent cross sectional flow area is the same as for a 2.25" ID tool.



Technical Specifications:

Service / Fluid	As per NACE MR0175 / ISO 15156
Temperature range	0°F (-18°C) to 400°F (+204°C)
Max. differential pressure	15,000psi (1034 bar) @ 400°F (204°C)
Test Pressure	16,900psi (1165 bar) - API 5CT
End Connection	Hydril 3.5" 15.8 lbf/ft PH ₆
BHS trigger systems	Rupture disc with PAR or Metrol acoustic tool
BHS Tool Connections (top & bottom)	1 ⁵ / ₁₆ " SR
Design Code	API 5CT
Tensile rating	360,000 lbs @ 0 psi and RT

Dimensions

Total length	6.3 meter
Outer Diameter	5.25" (133.5mm)
Flow Area equivalent to	2.25" (57mm) ID bore
Weight ex. BHS/FID tools	300 kgs.

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