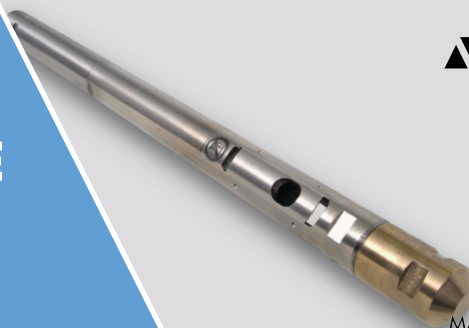


## CASED-HOLE LOGGING

# FLUID DENSITY RADIOACTIVE



MAKING INTERVENTION  
**SMARTER**

Fluid Density Radioactive (FDR) is used for fluid identification. The tool measures the mixture density in the wellbore, which allows the fraction or hold-up of any two phases of oil, water or gas to be determined.

## FEATURES

- Unaffected by flow rates
- Americium 241 gamma ray source
- Shielded detector highly resistant to radioactive scale interference
- Combinable with other Ultrawire™ tools
- Memory or surface read-out operation

SERVICE NAME	FDR
Length	585 mm / 23.0 in
Weight	4.4 kg / 9.6 lbs
OD	43 mm / 1.688 in
Measurement range	0-1.25 g/cc
Accuracy	± 0.03 g/cc
Resolution	0.01 g/cc
Maximum pressure	1030 bar / 15 000 psi
Maximum temperature	177 °C / 350 °F