

PRODUCT INFORMATION:



DESCRIPTION

The RFD provides a fluid density measurement in any well orientation using a low activity Americium source. The source and detector are shielded to provide an accurate measurement of the well bore fluid. Owen Instrumentation's unique spectral measurement approach, removes the influence of radioactive scale and NORM within the wellbore preventing the density measurement from drifting down due to external sources of radiation.

The accuracy of the measurement is unaffected by deviation, fluid density, fluid viscosity, fluid velocity making it especially well-suited to deviated wells and/or high flowrate wells.

A safety shield is supplied with the tool for transportation and storage and makes the tool safe to handle and transport. The source is double encapsulated for integrity and safety.

Transportation of the tool is simplified by the fact that it falls under the IATA 'Excepted Items' rules due to the low level of radiation at the surface of the shield.

PRODUCT FEATURES:

- > Tool accuracy unaffected by deviation, well temperature, fluid velocity or viscosity.
- > Double encapsulated source for safety.
- > Unique spectral processing to remove density drift from external RA sources.
- > Short tool length compared to other density measurement technologies.

PRODUCT APPLICATIONS:

- > Identification of different fluid phases in wellbore.
- > High flow rate wells.
- > Deviated wells.
- > Wells where minimizing rig up length is important.

SPECIFICATIONS:

	RFD-C
PART NUMBER	108-99003
LENGTH	26.8 in / 681 mm
DIAMETER	1 11/16 in / 43 mm
PRESSURE	20,000psi
TEMPERATURE	177C / 350F
WEIGHT IN AIR	9.0 lbs / 4.1 Kg
FISHING STRENGTH (S/F:1.2)	30,000 lbs / 13,600 Kgs
CONNECTIONS	GO A
RANGE	0 - 100% Oil, Gas, Water (0.1 - 1.2 GR/CC)
ACCURACY	<3% FS (0.03 GR/CC) error
REPEATABILITY	0.5% FS (0.005 GR/CC)
RESOLUTION	0.1% FS (0.001 GR/CC)
ISOTOPE	Americium 241
ISOTOPE ACTIVITY	100 mCi
TELEMETRY INTERFACE	MPB (PPL)
VOLTAGE	12 vdc
CURRENT	45mA