

CASED-HOLE LOGGING

RESISTANCE ARRAY TOOL

MAKING INTERVENTION
SMARTER

The Resistance Array Tool (RAT) is a 12-sensor fluid identification tool determining water hold-up across the wellbore. Water is conductive, whereas hydrocarbons (oil and gas) are nonconductive. Each sensor measures the resistance of the fluid between probes at their tips.

FEATURES

- Differentiates between water and hydrocarbons
- Cross-sectional water hold-up profile
- Identification of water entry points
- Water hold-up profile in any fluid regime
- Can detect very small and fast moving bubbles
- Independent of well deviation
- Internal orientation sensor
- Combinable with other GE Ultrawire™ tools
- Memory or surface read-out operation

Service Name	RAT
Length	1310 mm / 51.4 in
Weight	8.2 kg / 18.0 lbs
OD	43 mm / 1.688 in
Maximum opening	7 in casing
Maximum pressure	1030 bar / 15 000 psi
Maximum temperature	177 °C / 350 °F