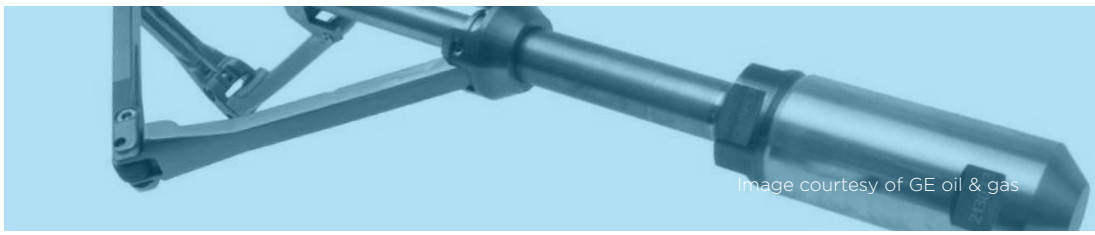

Image courtesy of GE oil & gas

TECHNICAL DATA SHEET

PDC

Production Dual Caliper

The Production Dual-axis Caliper is run to correct spinner derived fluid flow rates in varied hole sizes, or to identify casing deformation and areas of deposition build-up.
The caliper incorporates a pair of independent arms at 90 degrees to each other to measure casing inside diameter in the X and Y axes.

The roller-tipped caliper arms are spring loaded to make contact with the tubing or casing internal surface to measure the cross section at two independent axis. The arms fully collapse down to tool diameter to pass through restrictions and open again automatically once this has been passed. Each arm operates as an independent unit exerting a constant radial force.

APPLICATIONS:

- Simultaneous operation with other Production Logging Tools
- Determination of X-Y diameters at 90 degrees
- Measurement of casing deformation and major corrosion
- Detection of scale build up in casing and tubing
- Correction of spinner derived fluid flow rates for varying casing or tubing ID
- Identifying ID to correlate with changes in holdup patterns

BENEFITS

— Increased accuracy of production or injection profiles through improved understanding of well cross sectional area

— Slim, low profile design provides minimal disturbance to flowing regime

— Deployable on Slickline, Electric line, Coil Tubing or Tractor

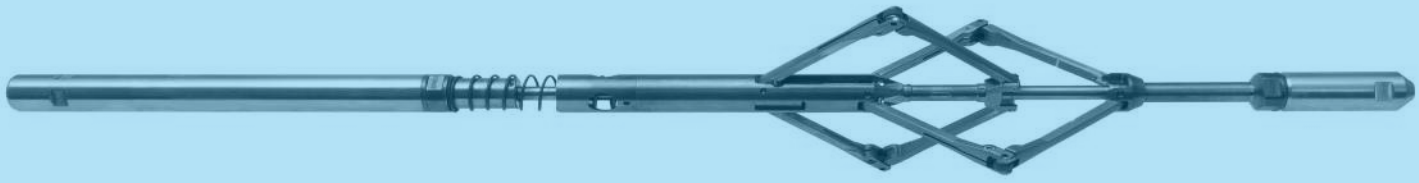

Image courtesy of GE oil & gas

Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	$1\,{}^{11}/_{16}$ in (43 mm)
Tool length	37.5 in (0.952 m)
Tool weight	14.5 lb (6.6 kg)
Measurement range	2 - 9 in diameter
Resolution	0.015 in
Accuracy	<150°C: ±0.1 in <165°C: ±0.2 in <177°C: ±0.3 in
Materials	Corrosion resistant throughout