



TECHNICAL SHEET													
OIL FIELD	MICRO-RESISTIVITY MODULE	SLIM-2.5"											
<p align="center">Generality and principle of measurement</p> <p>The micro-resistivity module provides a high-vertical-resolution micro-focused resistivity measurement within the flushed zone. The measurement electrodes are mounted on a flexible pad which is maintained in contact with the borehole wall by a motor-driven back-up / caliper arm. The measurement pad is interchangeable to give an either micro-focused resistivity or micro-normal / micro-lateral electrode geometries. The tool is stackable with all other slim-2.5" oilfield probes. When combined with the dual laterolog it replaces the lower guard electrode.</p> <p>Micro-focused resistivity principle of measurement: A central current-injection electrode is surrounded by 3 concentric ring electrodes in a circular LL-7 configuration. The measure current is focused into a narrow beam which penetrates the mud-cake to give a resistivity measurement in the flushed zone (Rxo) beyond.</p> <p>Micro-normal / micro-lateral principle of measurement: Three in-line button electrodes, 1" apart, are configured to provide simultaneous 2" micro-normal and 1.5" micro-lateral measurements. Separation of the two measurement values due to their different depths of investigation gives an indication of mud-cake thickness.</p>													
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