

**TECHNICAL SHEET**

<b>CALIPER</b>	<b>3 ARMS</b>	<b>3ACG</b>
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<p style="text-align: center;"><b>Generalities</b></p> <p><b>Principle</b> Opening and closing of the motor-driver caliper arm is by surface command, allowing the probe to run into the borehole with the arms retracted. Once opened, the spring-loaded arms respond to borehole diameter variations as the probe is raised up the borehole.</p> <p><b>Results</b> The three arms caliper provides a single continuous log of borehole diameter as recorded by three mechanically coupled arms in contact with the borehole wall.</p> <p><b>Interest</b> Determination of borehole conditions, check of drilling diameter, identification of caving or broken area, casing's state (concretions, perforations), cement volume calculation (hole or annular volume) etc...</p> <p><b>Options</b> Natural gamma sensor.</p>														
<p style="text-align: center;"><b>Constraints / borehole</b></p> <table style="width: 100%;"> <tr> <td style="width: 30%;">filling up</td> <td style="width: 10%;">: <input checked="" type="checkbox"/> water</td> <td style="width: 10%;"><input checked="" type="checkbox"/> mud</td> <td style="width: 10%;"><input checked="" type="checkbox"/> dry</td> </tr> <tr> <td>casing</td> <td>: <input checked="" type="checkbox"/> PVC</td> <td><input checked="" type="checkbox"/> steel</td> <td><input checked="" type="checkbox"/> open</td> </tr> <tr> <td>borehole</td> <td>: <input checked="" type="checkbox"/> cored</td> <td><input checked="" type="checkbox"/> destructive</td> <td></td> </tr> </table> <p>max. depth : 2000 m effective diam. : 50 mm – 710 mm</p> <p>temperature : 0 °C – 70 °C (*) max. pressure : 200 bars</p>	filling up	: <input checked="" type="checkbox"/> water	<input checked="" type="checkbox"/> mud	<input checked="" type="checkbox"/> dry	casing	: <input checked="" type="checkbox"/> PVC	<input checked="" type="checkbox"/> steel	<input checked="" type="checkbox"/> open	borehole	: <input checked="" type="checkbox"/> cored	<input checked="" type="checkbox"/> destructive			
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<p style="text-align: center;"><b>Technical specifications</b></p> <p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>• length : 2400 mm</li> <li>• diameter : 39 mm</li> <li>• weight : 9.2 kg</li> </ul> <p><b>Elements</b></p> <ul style="list-style-type: none"> <li>• 3 coupled arms : B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub></li> <li>• 1 natural gamma sensor : GR</li> </ul>														

**Records / Measures**

<p><b>Records</b></p> <ul style="list-style-type: none"> <li>• Tool : <input checked="" type="checkbox"/> centered    <input type="checkbox"/> off-centered</li> <li>• Measure : <input type="checkbox"/> down    <input checked="" type="checkbox"/> up</li> <li>• Rec. speed : 8 m/min (RG)</li> </ul>	<p><b>Measures</b></p> <ul style="list-style-type: none"> <li>• Range : 50 mm à 300 mm 50 mm à 710 mm on request</li> <li>• Accuracy : ± 1 mm</li> <li>• Vert. resolution : 1 cm</li> </ul>
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(\*) Available in high temperature version (until 125°C)

## Example

