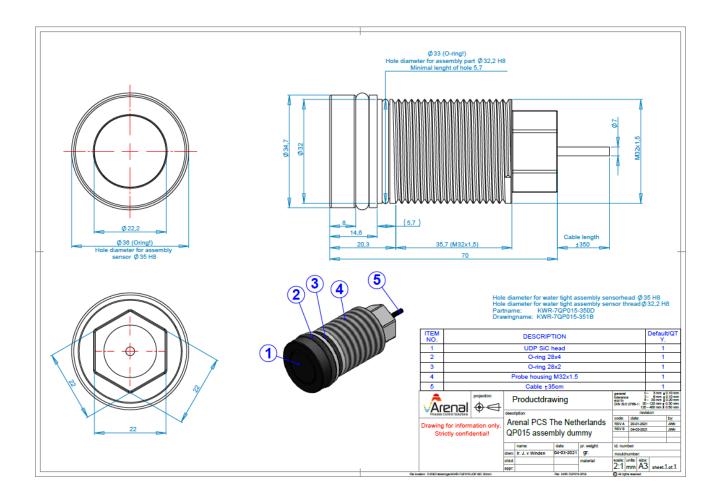




	Datasheet QP015-UDP Ultrasonic Density Probe
Principle	Ceramic ultrasonic spectroscopy
Description	Model UDP is designed to measure acoustical physical properties of abrasive slurries in mining, drilling and dredging fluids.
	The Arenal ultrasonic probes are fit to be applied in high density and abrasive slurries with flows up to 7 m/s.
	The ceramic sensor is made from one of the toughest materials on earth: Sintered Silicon Carbide (SSiC). They are much more wear resistant compared to all other ceramics. Secondly the acoustical and physical properties of SSiC are perfect for the applications in abrasive slurry density monitoring.
Features	<ul> <li>The probe does not erode, it is wear resistant against highest abrasive slurries</li> <li>Stable and accurate measurement up to 3 g/l accuracy</li> <li>Suits slurries and pastes</li> <li>For low and medium temperature slurries</li> </ul>
Engineering specifications	Make: Arenal PCS BV, The Netherlands Advanced Ultrasonic Density Probe for high density abrasive slurries Material wetted parts (sensor tip): Sintered Silicon Carbide Suits density between 0-4500 g/l Material housing: SS316 Temperature range 0-55 degC or 60-110 degC Fixing thread: M32x1,5 Connection cable: 350 mm
New!	This sensor replaces the QP014-UDP-WFC sensor Arenal currently develops new ceramic sensors for lower abrasive slurries with lower densities than 1300 g/l with much higher precision.

## **Dimensional drawing**





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