



Sonatest

Inspect with confidence

TRANSDUCER CATALOGUE



WheelProbe 2

The **WheelProbes 2** has demonstrated unparalleled performance in the realm of composite inspection and corrosion monitoring, excelling in terms of both speed and user-friendliness while consistently delivering outstanding results.

Coverage and precision are the keys to a successful mapping inspection. Our **WheelProbes** offer a 0.8 mm lateral resolution and now up to 100 mm

coverage width. (0.031 inch pitch and 4.0 inches respectively in imperial system).

Applications where the **WheelProbes 2** is currently in use include, aeronautical and astronomical aerospace part inspections, marine hull inspections, corrosion mapping asset integrity inspections in the oil and gas industry, composite inspections in the automotive and construction industries and many more.

Key Features

Light and Robust Design

You can trust it to perform the most rigorous inspection tasks, day after day.

Well Defined Laser Rolling

Equipped with two LED feedback indicators (WP2 E128 features two lasers) and the optional display attachment, technicians can now prioritize the acquisition of consistently high-quality UT data. These dual guiding lines serve multiple purposes, including highlighting the anticipated C-scan zone or providing surface guidance along a designated surface geometry.

Many Detachable Cable Options

Make the best use of your WP2, and connect it to just about any PAUT system. With interchangeable cables, you have the best of all worlds. A longer cable?

A different connector? These options can be held in stock at very little cost, ready for the jobs as they arrive.

Roller Options

With the profiled, flat and precision roller options, a few moments' effort converts your WP2 from a flat-surface composite inspection tool, to a radial or axial pipe corrosion mapping system. Able to scan right to the edges of the part, convex, concave and even irregular surface area are catered for.

Perfect fit against OD and ID parts

All WP2 are designed to inspect flat surfaces as well as convex and concave curved surfaces. The curvature adjustment bar offers an intuitive graduated guideline that reads part radius of curvature (in both metric & imperial units).

Specification

WP2 64 Specifications	
Specification	Description
Weight	1.06kg (2.34lb)
Dimensions H x L x W	125 x 150 x 155mm (4.9 x 5.9 x 6.1in)
Operating temperature	10 to 50°C
Centre frequency options	2 MHz, 3.5MHz, 5MHz and 10MHz
Number of elements	64
Total active length	51.1mm
Sensitivity homogeneity	± 3db

WP2 128 Specifications	
Specification	Description
Weight	1.19Kg (2.62lb)
Dimensions H x L x W	125 x 211 x 155 mm (4.9 x 8.3 x 6.1 in)
Operating temperature	10 to 50°C
Centre frequency options	1 MHz, 2MHz, 3.5MHz, 5MHz and 10MHz
Number of elements	128 (102 for 1 MHz)
Total active length	102.2mm
Sensitivity homogeneity	± 3db

WheelProbe 2 Options

Description	WP2 64 Element	WP2 128 Element
WP2-5M128/64E-0.8x6.4	WP2-0501	WP2-0601
WP2-10M128/64E-0.8x6.4	WP2-0502	WP2-0602
WP2-2M128/64E-0.8x6.4	WP2-0503	WP2-0603
WP2-3.5M128/64E-0.8x6.4	WP2-0504	WP2-0604
WP2-1M102E-1.0x6.4		WP2-0605



WheelProbe 2 - 64 Element



WheelProbe 2 - 128 Element

