

SPECIFICATIONS S2G2-WS

General

Power	110V-220V, 50-60Hz Lithium-Ion Battery (RRC2054-2) - 10 hours autonomy
Size and weight	33 x 26 x 14 cm 4,75 Kg without batteries
Computer interface	Gigabit Ethernet
Compliance	CE, Rohs
Operating temperature	0° to 50°C
Inputs/ outputs	» RJ45 Ethernet » 41pins ECT Extended Connector » 19pins RFT/NFT/MFL Connector » 4pins Bobbin Probe Connector » 18pins I/O Connector

Eddy Current Array

Frequency range	20 Hz to 2 MHz
Probe driver	2
Drive voltage	» 0-20 Vpp (single driver) 0-40 Vpp (push-pull mode)
Output current	1.0 A max
Channels with internal mux	32
Channels with external mux	256
Number of frequencies	Up to 5 simultaneous
Electronic reference	2
Probes Inputs	8
A/D converters	18 bits
Data Format	32 bits
Data rate	100,000 data points/s

sgndt™
S2G2-WS



Most powerful ECA instrument on the market
(256 channels)

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**EASY-TO-USE
SWAPPABLE BATTERIES**



**BATTERY OPERATED.
(10 HOURS WORKTIME)**

*DELIVERY AVAILABLE WITH A CALIBRATION MODULE.
YOU WILL NO LONGER HAVE TO LOSE ACCESS TO YOUR
INSTRUMENTS FOR WEEKS TO RUN CALIBRATIONS.*



The Eddy Current Array (ECA) method is perfectly suited for Friction Stir Weld inspection. The welding bead is stable enough to avoid problems related to strong liftoff variations. While soldering, fissures can occur. The ECA method can detect tiny 250 μm deep and 1 mm long fissures.

SPEN-WELD probe



ARRAY PROBES:
Our newest array probes are designed for surface and weld inspection.



**WAVE-090
probe**

INTERFACEABLE SOFTWARE

EMMA:

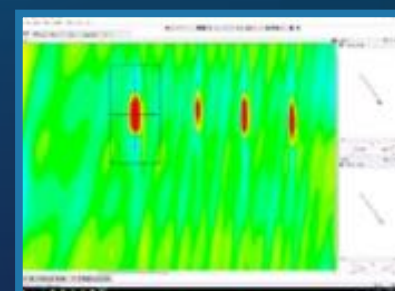
Our EMMA data acquisition & analysis software allows you to fully appreciate the capabilities of this array Eddy Current device. (see brochure for more details about the software).

LABVIEW:

In the span of a few short business days, the SDK LabView will allow you to interface easily with this device.

API DOCUMENTATION:

We provide all required information to interface with the device, as well as to program it and acquire signals through its TCP/IP link.



WAVE SERIES:

The WAVE array probes are designed to inspect welds located in complex geometries. They are available in 180 and 90 degrees.