SPECIFICATIONS S2G2-800

GENERAL

Power requirements (automatic selection)	110/220 Vac, 48 to 63 Hz
Housing	Completely sealed enclosure
Size	33 x 26 x 14 cm 4,75 Kg
Weight	4.75 kgs Without Battery 5.75 Kgs with the Internal battery
Computer interface	Gigabit Ethernet- 1000 BASE-T
Compliance	CE, Rohs
Battery type	Lithium-ion, rechargeable, Dot compliant
Battery autonomy	8 Hours
Operating temperature	0° - 50°C (32 - 122° F)
Inputs/Outputs	» RJ45 Ethernet » 41 Pin Probe Connector » 39 Pin Isolated I/O » 24 VDC Input

EDDY CURRENT (ECT)

Frequency range	20 Hz to 2 MHz
Driving modes	» Multiplexed Mode » Continuous Mode » Super Multiplexed Mode
Generetors / Coils drivers	2 fully independent
Drive voltage	» 0-20 Vpp (single driver) » 0-40 Vpp (push pull mode)
Output current	1 A max
Electronic Reference	2 drivers for Electronic balancing
Probes Inputs	» 8 » 128 with multiplexer
Number of frequencies	Up to 5 simultaneous
Number of EC channels	» 40 in continuous mode » 128 in multiplexed mode » 640 in super-multiplexed mode
A/D converters	24 bits
Data Format	32 bits
Alarms	4 independent real-time alarms
Data rate	40,000 data points/s

REMOTE FIELD EDDY CURRENT (RFEC) & NEAR-FIELD TESTING (NFT)

Frequency range	20 Hz to 25 KHz
Driving modes	» Continuous » Multiplexed » Super-Multiplexed
Probe drivers	2 fully independent
Drive voltage	0-20 Vpp (single driver) 0-40 Vpp (push pull mode)
Output Current	1 A max
Probes Inputs	8
Number of frequencies	Up to 5 simultaneous
Number of EC channels	» 40 in continuous mode » 128 in multiplexed mode » 640 in super-multiplexed mode
A/D converters	24 bits
Data Format	32 bits
Data rate	40,000 data points/s

FLUX LEAKAGE (FLT)

Probe Type	» Inductive » Hall effect » Magneto resistance (GMR)
Probes Inputs	8
Number of EC channels	» 40 in continuous mode » 128 in multiplexed mode
A/D converters	24 bits
Data Format	32 bits
Data rate	40,000 data points/s

EDDY CURRENT ARRAY (ECA)

Channels	64,128, 256, 512
Frequency range	20 Hz to 2 MHz
Multiplexer	Embedded Mux
Connector	41 Pin Probe Connector
Drive voltage	0-20 Vpp (single driver)

SG NDT Inc
425, 3rd Avenue Room 200
Lévis, Québec, G6W 5M6, CANADA
Phone : +1 418 830 8808
Website : www.sgndt.com

SG NDT Sarl
190, route de la Croix d'Evieu
38110 St Clair de la Tour, FRANCE
Tél : +33 (0)6 51 49 00 36
Email : hgac@sgndt.com

Conception & impression : nouvelstudio.fr

sgndt™

S2G2-800

CONTROLLER:

It drives motorized rotating devices for tube inspection.

PROBE INTERFACE MODULE:

It can be customized to meet specific requirements.

I/O CONNECTOR TO CONNECT:

- Encoders signals.
- # 4 real-time Alarms Inputs
- Several I/o to drive your automatic sequence.

PROBE CONNECTOR:

A 41 Pin connector is available for all probes and for all techniques (Array, RFEC, FLT and NFT). It does not require an expensive connector for array probes.

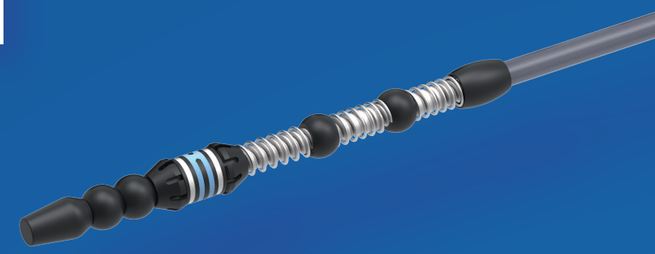
DC CONNECTOR:

The unit can run in three modes: internal battery, external battery pack and external 24 VDC power adapter.

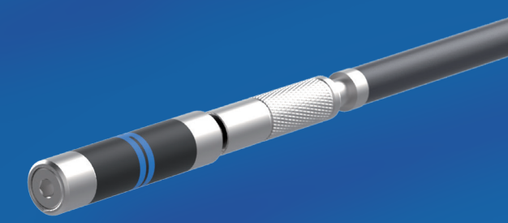
OUR BEST SOLUTIONS

Call us for your customized probes

Bobbin Probe
for SG Tube Inspection

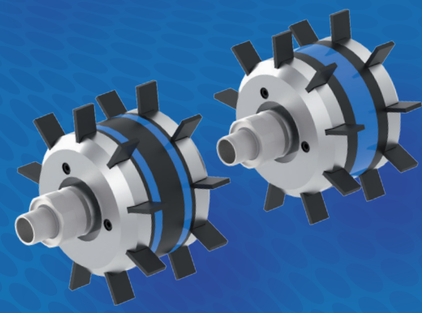


Eddy Current Technology (ECT) Probe
for heat exchanger Tube Inspection



Remote Field Eddy Current (RFEC) Probe
for Boiler Tube Inspection

Array RFEC Probe
for Pipe Inspection



Eddy Current Flexible Array Probe
for Surface Inspection

The sensor array is replaceable. Different flexible array models can be used with the multiplexer.

EMBEDDED MUX:

The embedded multiplexer improves performance and reduces the cost of the array probe.