

GE

Inspection Technologies

Eddy Current
Probes
and
Accessories
Catalogue



GE imagination at work

GE

Inspection Technologies

A global leader in
technology-driven
inspection solutions
that deliver productivity,
quality and safety to
our customers

Eddy Current Probes and Accessories Catalogue

This catalogue features the standard range of GE Eddy Current Probes and Accessories. For ease of use, it is divided into four sections: General Surface probes, Aerospace probes, Dedicated Inspection probes and Accessories.

If you cannot find a probe or accessory to meet your inspection requirements, please contact your local GE Approved Dealer or visit the GE Inspection Technologies Website at: www.ge.com/inspectiontechnologies

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Please Note: The measurements shown in the tables are metric with the equivalent imperial size in brackets i.e. mm (inches). The illustrations shown are for reference only and may not be to scale. Specifications are liable to change without notice.

General Surface Applications

Surface Inspection – Shielded

These probes are used to inspect for surface breaking defects.

Technical notes:

- Probes identified with a single frequency (Centre Frequency), may be operated over an extended range when used in conjunction with impedance plane instruments. Normal accepted operating range = 1/3 of Centre Frequency to 3 x Centre Frequency.
- Probes identified with Fe, NFe or Fe/NFe may be used on any suitable conductive material when used in conjunction with an Impedance plane instrument.
- Shielded surface inspection probes with delrin handles are colour-coded to indicate their centre frequency as follows:

Red = 200kHz

Yellow = 500kHz

Blue = 2MHz

Green = 6MHz

Straight – Delrin Handle (Absolute)

Part No	Tip Ø 'D'	Length 'L'	Centre Frequency	Material
104P4	4.45	114 (4.5)	200kHz	Fe/NFe
104P4F	3.30	114 (4.5)	200kHz	Fe/NFe
105P4	4.45	114 (4.5)	500kHz	Fe/NFe
105P4F	3.30	114 (4.5)	500kHz	Fe/NFe
106P4	3.30	114 (4.5)	2MHz	NFe
106P4F	2.34	114 (4.5)	2MHz	NFe
107P4	2.34	114 (4.5)	6MHz	NFe



90° Tip - Delrin Handle (Absolute)

Part No	Tip Ø 'D'	Tip Length 'TL' *	Length 'L'	Centre Frequency	Material
308P24	4.45	6.4 (0.25)	114 (4.5)	200kHz	Fe/NFe
309P24	4.45	6.4 (0.25)	114 (4.5)	500kHz	Fe/NFe
309P34	4.45	12.7 (0.5)	114 (4.5")	500kHz	Fe/NFe
310P14	3.30	2.7 (0.11)	114 (4.5)	2MHz	NFe
310P34	3.30	12.7 (0.5)	114 (4.5")	2MHz	NFe
310P24	3.30	6.4 (0.25)	114 (4.5)	2MHz	NFe
310P14F	2.34	2.7 (0.11)	114 (4.5)	2MHz	NFe
311P24	2.34	6.4 (0.25)	114 (4.5)	6MHz	NFe

* Inside tip lengths available from 5mm (0.19") to 25mm (0.98") on all probes.



45° Crank - Delrin Handle (Absolute)

Part No	Tip Ø 'D'	Crank Length	Length 'L'	Centre Frequency	Material
204P4	4.45	19.5 (0.75)	114 (4.5)	200kHz	NFe/Fe
205P4	4.45	19.5 (0.75)	114 (4.5)	500kHz	NFe/Fe
206P4	3.30	19.5 (0.75)	114 (4.5")	2MHz	NFe
206P4F	2.34	19.5 (0.75)	114 (4.5")	2MHz	NFe
207P4	2.34	19.5 (0.75)	114 (4.5")	6MHz	NFe



15° Crank, 90° Tip – Delrin Handle (Absolute)

Part No	Tip Ø 'D'	Tip Length 'TL' *	Length 'L'	Centre Frequency	Material
312P24	4.45	6.4 (0.25)	114 (4.5)	200kHz	Fe/NFe
313P24	4.45	6.4 (0.25)	114 (4.5)	500kHz	Fe/NFe
313P24F	3.30	6.4 (0.25)	114 (4.5)	500kHz	Fe/NFe
314P24	3.30	6.4 (0.25)	114 (4.5)	2MHz	NFe
315P24	2.34	6.4 (0.25)	114 (4.5)	6MHz	NFe

* Inside tip lengths available from 5mm (0.19") to 25mm (0.98") on all probes.



Straight – Metal Handle (Absolute)

Ideal for systems scanning or limited access areas.

Part No	Tip Ø 'D'	Length 'L'	Centre Frequency	Material
100P3	4.45	76 (3)	200kHz	Fe/NFe
101P3	4.45	76 (3)	500kHz	Fe/NFe
102P1	3.30	38 (1.5)	2MHz	NFe
102P3	3.30	76 (3)	2MHz	NFe
103P3	2.34	76 (3)	6MHz	NFe



These probes are fitted with a 25.4mm (1") x 6.4mm (1/4") diameter stainless steel handle to facilitate good clamping. They are similar to the probes described in the previous sections and are available with the same frequencies and shank geometries.

Adjustable Copper Shaft – Delrin Handle (Absolute)

Part No	Tip Ø	Length	Centre Frequency	Material
106P8C	3.30	203.2 (8.0)	2MHz	NFe



The flexible copper shaft makes this probe very versatile, giving it the ability to adapt its shape as required, avoiding geometry obstacles and getting to those hard to reach inspection areas.

Surface Inspection - Unshielded

Straight (Absolute)

Part No	Length	Centre Frequency	Material
120P1A	100 (4)	200kHz	Fe/NFe
121P1A	100 (4)	500kHz	Fe/NFe
122P1A	100 (4)	2MHz	NFe
123P1A	100 (4)	2MHz	Fe



Angle Tip (Absolute)

Part No	Length	Centre Frequency*	Material	Angle
350P1A	133 (5.2)	200kHz	Fe/NFe	65°
351P1A	133 (5.2)	500kHz	Fe/NFe	65°
352P1A	133 (5.2)	2MHz	NFe	65°
353P1A	133 (5.2)	2MHz	Fe	65°

* All the above probe types are also available in 6MHz in Fe.



Cables to suit the above probes:

Instrument	Part No	Cable Type
Vector 22	29A001	BNC/ Microdot
Locator 2/2s	39A002	7-way Lemo/ Microdot
Locator 3s, Phasec 2s/2d	40A001	12-way Lemo/ Microdot

Note: All probes in this section are fitted with Microdot sockets. Locator 3s, Phasec 2s/2d

Aerospace Applications

Fastener Hole Probes

These probes inspect the inner surface of fastener holes for defects.

Dynamic Rotating Metal (Differential Reflection)

Part No	Working Length	Frequency	Hole Diameter*
615P012F035	35	200kHz – 2MHz	4.76 (3/16")
615P016F035	35	200kHz – 2MHz	6.35 (1/4")
615P020F035	35	200kHz – 2MHz	7.94 (5/16")
615P024F035	35	200kHz – 2MHz	9.53 (3/8")
615P028F035	35	200kHz – 2MHz	11.11 (7/16")
615P032F035	35	200kHz – 2MHz	12.70 (1/2")

* Probes available from 1.6mm (1/16") to 25.4mm (1") for GE, Rohmann or Forster 8mm diameter fitting. All probes are shielded. These probes are available in standard working lengths of 35mm and 65mm, non-standard working lengths are available on request.

Requires Mini Drive Unit.



Dynamic Rotating Plastic (Differential Reflection)

Part No	Working Length	Frequency	Hole Diameter*
619P016F051	51	200kHz – 2MHz	6.0 – 7.0 (1/4")
619P024F051	51	200kHz – 2MHz	9.5 – 10.5 (1/4")
619P032F051	51	200kHz – 2MHz	12.5 – 13.5 (1/2")

For more options please see the data sheet on our website or contact your local GE provider.

* Probes available from 2.4mm (3/16") to 38mm (1 1/2"). Probes larger than 4.4mm (11/64") in diameter have a split tip to accommodate nominal hole sizes + 1mm. Probes available to suit GE, Rohmann or Forster 8mm diameter fittings. These probes are available in a standard working length of 51mm, non-standard working lengths are available on request.

Requires Mini Drive Unit.



For more options please see coding system.

Coding system for more options

Imperial Coding System

Please specify nominal diameter of probe (hole) in 1/64" increments.

Note: Probe/Hole clearance adjustments will be taken into account during manufacturing.

615P
Metal Rotating
Probe → **615P016F035** ← Working Length
35mm
65mm

↑
F = Imperial Ø
016F = Ø16/64" (Ø1/4")
029F = Ø29/64"

Metric Coding System

Please specify nominal diameter of probe (hole) in mm.

Note: Please **subtract 0.1 mm** from the nominal hole diameter to take into account Probe/Hole clearance.

615P
Metal Rotating
Probe → **615P063M035** ← Working Length
35mm
65mm

↑
M = Metric Ø
063M = Ø6.3mm
115M = Ø11.5mm

Mini Drive Unit

The GE Mini Drive Unit is a small, lightweight, rotating eddy current probe drive and is used in conjunction with the probes on page 8. It has been designed to make the inspection of fastener holes accurate and quick. Its size allows inspections to be performed in confined space and the lightweight design helps prevent fatigue when a large number of fastener holes need to be inspected. The Mini Drive Unit can be used with Rohmann or Forster 8 mm diameter fitting probes.

Specification:

Weight: 150 g (5 oz)

Dimension: 82 x 22 x 36 mm

(3.2" x 0.9" x 1.4")

Mini Drive Unit - Part No 33A100



Cables to suit Mini Drive Unit:

Instrument	Part No	Cable Type
Locator 3s, Phasec 2s/2d	33A103	12-way Lemo/12-way Lemo

Note: Adapter leads are available to run Rohmann, Zetec and Staveley Drive Units on Phasec 2s and 2d.

Manual Fastener Hole Probes (Absolute)

These probes inspect the inner surface of fastener holes for defects.

Part No.	Frequency	Hole Diameter	Material
504P12	2 MHz	4.5 (3/16")	NFe
501P16	200 kHz	6.4 (1/4")	Fe/NFe
504P16	2 MHz	6.4 (1/4")	NFe
504P20	2 MHz	7.5 (5/16")	NFe
504P24	2 MHz	9.5 (3/8")	NFe
504P32	2 MHz	12.7 (1/2")	NFe
504P40	2 MHz	15.5 (5/8")	NFe



Note: Probes available from 3.2mm (1/8") to 38mm (1 1/8") in all frequencies. Probes larger than 4.5mm (3/16") in diameter have a split tip, which accommodates hole sizes nominally of:

+1mm (1/24") on probes <7mm (9/32") in diameter.

+1.6mm (1/16") on probes >7mm (9/32") in diameter.

These probes have a standard working length of 76mm, non-standard working lengths are available on request.

Sub-Surface Inspection - Low Frequency Probes

These probes are used to detect sub-surface defects.

Spot Face (Reflection)

Part No.	Frequency	Diameter	Height	Body
700P07A	1kHz-100 kHz	7 (0.28)	48 (1.89)	Steel
700P11A	300Hz-100 kHz	11 (0.44)	45 (1.77)	Delrin
700P16A	300Hz-100 kHz	16 (0.62)	45 (1.77)	Delrin
700P24A	80Hz-60 kHz	24 (0.93)	58 (2.28)	Delrin
700P32A	80Hz-30 kHz	32 (1.25)	60 (2.36)	Delrin



Dual Element Sliding Probes (Absolute - Reflection)

These probes are designed to slide along rows of fasteners to detect flaws.

Part No	Frequency
851P001	400Hz - 50 kHz



Note: All probes are fitted with a 4-way Lemo socket.

Cables to suit the above probes:

Instrument	Part No	Cable Type
Locator 2/2s	39A005	7-way Lemo/4-way Lemo
Locator 3s, Phasec 2s/2d	33A130	12-way Lemo/4-way Lemo
Vector 22	45A005	16-way Lemo/4-way Lemo

Dual Element Sliding Probe (Absolute – Reflection)

This probe is designed to slide over rows of fasteners to detect flaws; it comes with 1.5, 2.5 and 3.5mm shims allowing it to accommodate different fastener sizes.

Part No	Frequency
851P002	100Hz – 500 kHz

Note: The probe is fitted with 2 Microdot sockets.



Cables to suit the above probe:

Instrument	Part No	Cable Type
Locator 2/2s	39A021	7-way Lemo/x2 Microdots
Locator 3s, Phasec 2s/2d	33A192	12-way Lemo/x2 Microdots

Low Frequency Ring (Doughnut) Probe (Absolute – Reflection)

Designed to detect surface and sub-surface flaws around aircraft fastener holes without removing the fastener, these absolute reflection probes will penetrate several layers of non-ferrous material with good sensitivity.

Note: The probe is fitted with a 4-way Lemo.



Please contact your local GE Approved Dealer for information and for our full range of sizes.

Cables to suit the above probe :

Instrument	Part No	Cable Type
Locator 2/2s	39A005	7-way Lemo/4-way Lemo
Locator 3s, Phasec 2s/2d	33A130	12-way Lemo/4-way Lemo
Vector 22	45A005	16-way Lemo/4-way Lemo

Engine Blade Inspection

GE has developed a range of special probes for compressor and turbine blade trailing and leading-edge inspection. Probes suitable for both aerospace and power generation gas turbines are available. Due to specific rotor access requirements and differences in blade profile, these types of probe are generally defined for a particular engine and stage. Please contact your local GE Approved Dealer for information about probes for specific engines.

Aircraft Wheel Inspections

Manual Inspections

GE has a large selection of aircraft bead seat probes, each of which is designed to fit the contour of each specific type of aircraft wheel. Due to the number of different types of aircraft wheels, please contact your local GE Approved Dealer for more information about probes available.

Automated Inspections (Absolute)

The requirements for aircraft wheel inspections are constantly being increased and becoming more varied. The WheelScan 5 is ready to meet all these requirements. It has a user-friendly design and incorporates a teach and learn facility. It is capable of storing instrument set-ups, recording and storing data. The unique SLIC Clamping System allows aircraft wheels to be held during inspection, eliminating the use of adapters for individual aircraft wheel types. Please contact your local GE Approved Dealer for more information.

Part No	Frequency	Diameter
50PA16/100k	100kHz	6.0 (1/4")
50PA16/200k	200kHz	6.0 (1/4")
50PA16/500k	500kHz	6.0 (1/4")
50PA16/1.5M	1.5MHz	6.0 (1/4")
50PA24/200k	200kHz	9.5 (3/8")
50PA24V1/200k*	200kHz	9.5 (3/8")

* = With thin centre shaft for use on large diameter wheels.



Dedicated Applications

Weld Inspection

WeldScan (Differential Bridge)

WeldScan probes offer a cost-effective alternative to Magnetic Particle Inspection for in-service inspection of ferrous welds. WeldScan probes are also available for non-ferrous welds.

Straight



Part No	Frequency	Diameter	Connector	Length	Body
800P01MD1P	100kHz	9.5	12-way Lemo	5.0m	Straight
800P01ND1P	100kHz	9.5	7-way Lemo	5.0m	Straight
800P04MD1P	100kHz	16	12-way Lemo	5.0m	Straight
800P04ND1P	100kHz	16	7-way Lemo	5.0m	Straight
800P06MD1P	100kHz	32	12-way Lemo	5.0m	Straight

90° Inline Tip



Part No	Frequency	Diameter	Connector	Length	Body
801P01MD1P	100kHz	9.5	12-way Lemo	5.0m	90° Inline
801P04MD1P	100kHz	16	12-way Lemo	5.0m	90° Inline
801P06MD1P	100kHz	32	12-way Lemo	5.0m	90° Inline

90° Right Angle Tip



Part No	Frequency	Diameter	Connector	Length	Body
802P01MD1P	100kHz	9.5	12-way Lemo	5.0m	90° Right angle
802P04MD1P	100kHz	16	12-way Lemo	5.0m	90° Right angle
802P06MD1P	100kHz	32	12-way Lemo	5.0m	90° Right angle

Note: Waterproof WeldScan probes are also available.

Broad Band Probe [Paint Probe] (Absolute)

This probe is used to estimate the coating thickness prior to weld inspections.



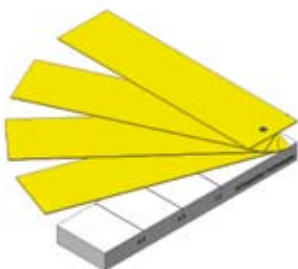
Part No	Frequency	Material	Inductance
130P3	35kHz - 250kHz	Fe/NFe	82 μ H

Cables to suit the above probe:

Instrument	Part No	Cable Type
Vector 22	5A011	BNC/BNC
Locator 2/2s	39A002	7-way Lemo/BNC
Locator 3s, Phasec 2s/2d	40A002 + 5A011	12-way Lemo Adapter/ BNC-BNC
Locator 3s, Phasec 2s/2d	40A504	12-way Lemo/BNC

WeldScan Reference Block

This Reference Block is used in conjunction with the above probes to set sensitivity levels and calibrate the instrument prior to weld inspections.



Part No	Slots	Material	Plastic Shims
31A008	0.5mm/1.0mm/2.0mm	Fe	0.5mm x4

ID Tube Inspection (Absolute and Differential.Bridge)

A comprehensive range of ID tube inspection probes and cables are available, including disconnectable and integral cable probes.



Part No	Diameter	Probe Type	Frequency
IDP138L-18k	13.8	Disconnect	18k

Example Cable:

Part No	Length	Cable	Connection
LMC-1P	10m	Rigid Push/Pull	12-way Lemo

Probe Transport System cables are available with integral end stop sprint. Cables and probes are available with switchable absolute to differential facility, balance load BNC socket for absolute operation. For special ID probe requirements, please contact your local GE Approved Dealer.

Broad Band (Absolute)

This is a range of probes for heavier industrial use with impedance plane instruments. Uses include estimates of coating thickness prior to weld inspection and measurement of crack depth.



Part No	Frequency	Material	Inductance
130P1	500kHz - 4MHz	Fe/NFe	5.6uH
130P2	150kHz - 1MHz	Fe/NFe	22uH
130P3	35kHz - 250kHz	Fe/NFe	82uH
130P4	7kHz - 60kHz	Fe/NFe	390uH
130P5	2kHz - 15kHz	Fe/NFe	1500uH

Note: Only available in 100 mm (4") length.

Cables to suit the above probes:

Instrument	Part No	Cable Type
Vector 22	5A011	BNC/BNC
Locator 2/2s	39A002	7-way Lemo/BNC
Locator 3s, Phasec 2s/2d	40A002 + 5A011	12-way Lemo Adapter/ BNC-BNC
Locator 3s, Phasec 2s/2d	40A504	12-way Lemo/BNC

Thread Inspection

Two styles of probes are available for the inspection of external (bolts) and internal (nuts) threads. Each probe has a pointed tip, which will fit into the thread root to detect cracks in the root area. They can also be used to inspect splined shafts.

Internal (Absolute)

Part No	Frequency	Material	Length
822P1B	2MHz	NFe	131 (5.2)
819P1B	200kHz	Fe	131 (5.2)
821P1B	500kHz	Fe	131 (5.2)



External (Absolute)

Part No	Frequency	Material	Length
820P1A	500kHz	NFe	100 (4)
822P1A	2MHz	NFe	100 (4)
819P1A	200kHz	Fe	100 (4)
821P1A	500kHz	Fe	100 (4)
823P1A	2MHz	Fe	100 (4)

Note: All probes are fitted with a Microdot socket



Cables to suit the above probes:

Instrument	Part No	Cable Type
Vector 22	29A011	BNC/Microdot
Locator 2s	39A002	7-way Lemo/Microdot
Locator 3s, Phasec 2s/2d	40A001	12-way Lemo/Microdot

Note: Saddle and Plug probes are available to fit the exact profile of external (saddle) or internal (plug) threads. Please contact your local GE Approved Dealer for further information.

Metal Sorting (Absolute)

These probes provide a method for general metal sorting. They have a sprung core assembly fitted to a double "V" block to provide constant perpendicular pressure onto either flat or curved surfaces.

Part No	Frequency	Material
809P1	2MHz	NFe
809P1	500kHz	Fe
809P1	200kHz	Fe/ NFe

Note: All probes are fitted with a Microdot socket.



Cables to suit the above probes:

Instrument	Part No	Cable Type
Vector 22	29A011	BNC/Microdot
Locator 2s	39A002	7-way Lemo/Microdot
Locator 3s, Phasec 2s/2d	40A001	12-way Lemo/Microdot

Conductivity Measurement

Measuring electrical conductivity is an accurate and repeatable method for checking non-ferrous metals and alloys for identity, grade and material condition.

Part No	Frequency	Diameter
47P001	60kHz - 500kHz	12.7 (1/2")
47P002	500kHz	8.0 (5/16")



Cables to suit the conductivity probes:

Instrument	Part No	Cable Type
AutoSigma 3000	47A001	5-way Lemo/5-way Lemo
Locator 2s	39A170	7-way Lemo/5-way Lemo
Locator 3s, Phasec 2s/2d	33A170	12-way Lemo/5-way Lemo

Conductivity Reference Blocks

A wide range of different Conductivity Reference Blocks are available , complete with Calibration Certificates to ensure accuracy of the inspection.



Part No	% IACS	MS/m	Material
47A012	2	1.2	Stainless Steel - 303S
47A015	24	14	Brass- LM5681
47A017	34	20	Aluminium - 7075 - TF
47A019	47	27	Aluminium - 6082 - TF
47A022	100	58	Copper
47A023	9 & 58	5 & 34	Dual Reference Sample

3 (Part No 47A025) and 5 (Part No 47A010) Sample Holders are available to house the Conductivity Reference Blocks and Dual Reference Sample.



47A010 Conductivity Sample Holder

Note: Please contact your local GE Approved Dealer for the full range of Conductivity Reference Blocks.

Encircling Coils

Cost-effective Encircling Coils (Absolute – Differential Reflection)

GE offers a cost-effective range of Encircling Coils either Absolute or Differential. They are ideally suited to inspecting small lengths of tube, wire or bar, principal applications being detecting surface cracks and metal sorting. Please contact your local GE Approved Dealer for more information.

Other diameters and frequencies available to order.



Part No	Type	Frequency	Hole Diameter
840P050G1	Absolute	5kHz – 50kHz	5.00 (0.196)
841P050G1	Differential	5kHz – 50kHz	5.00 (0.196)

Cables to suit the above probes:

Instrument	Part No	Cable Type
Locator 2/2s	39A008	7-way Lemo/x2 BNC Sockets
Locator 3s, Phasec 2s/2d	33A120	7-way Lemo/x2 BNC Sockets
Use in conjunction with x2 BNC to BNC cables 5A011		

Galaxy Encircling Coils (Differential Reflection)

GE offers a highly cost-effective and flexible range of Encircling Coils for use with the In-Line or Off-Line high-speed inspection of tubes, wires, bars, etc. Encircling Coils within the same size range can be exchanged in a matter of seconds to suit variations in manufactured products. Please contact your local GE Approved Dealer for more information.



Instrument	Part No	Cable Type
Locator 3s, Phasec 2s/2d	GALPJL5	12-way Lemo/4-way Lemo
Vector 22	GALPJM5	16-way Lemo/4-way Lemo

Differential Scanning Probes

GE offers a range of differential probes to be used in conjunction with the inspection of the rotation of bearings houses, steering components, pins, bushes, automotive valves, bars, tubes etc.

Part No 5P501/502/503



Part No 5P495/469



Part No	Frequency	Type	Tip Dimension	Length
*5P469	400kHz - 3MHz	Bridge - Shielded (Ungrounded)	Ø 5 (0.19)	100 (4)
*5P495	400kHz - 3MHz	Bridge - Shielded (Ungrounded)	Ø 4 (0.16)	100 (4)
**5P501	200kHz - 3MHz	Reflection - Unshielded	Ø 2.5 (0.09)	91 (3.6)
**5P503	200kHz - 3MHz	Reflection - Unshielded	Ø 4.7 (0.18)	91 (3.6)
**5P502	200kHz - 3MHz	Reflection - Unshielded	2.5x4.7 (0.09x0.18)	91 (3.6)

All probes are fitted with 4-way Lemo Connector.

* Cables to suit the above differential bridge probes:

Instrument	Part No	Cable Type
Locator 2/2s	39A004	7-way Lemo/4-way Lemo
Locator 3s, Phasec 2s/2d	33A132	12-way Lemo/4-way Lemo
Vector 22	45A004	16-way Lemo/4-way Lemo

** Cables to suit the above differential reflection probes:

Instrument	Part No	Cable Type
Locator 2/2s	39A005	7-way Lemo/4-way Lemo
Locator 3s, Phasec 2s/2d	33A130	12-way Lemo/4-way Lemo
Vector 22	45A005	16-way Lemo/4-way Lemo

Accessories

Reference Blocks

GE provides a range of Reference Blocks to enable the correct sensitivity levels to be set during calibration.



Part No	Description	Material	Slot Depths
29A028	Ferrous	EN1A	0.2/0.5/1.0 mm
29A029	Aluminium	7075-T6	0.2/0.5/1.0 mm
29A032	Titanium	Ti6Al4V	0.2/0.5/1.0 mm
29A049	Stainless Steel	304	0.2/0.5/1.0 mm

Note: For the full range of Reference Blocks including Rotating Reference Blocks please contact your local GE Approved Dealer.

Balance Loads

Balance loads are necessary for using absolute probes on many differential Eddy Current Instruments.

Part No	Inductance	Centre Frequency*
5A084	1.3 μ H	6 MHz
5A083	8.2 μ H	2 MHz
5A058	47 μ H	150 kHz
5A089	120 μ H	70 kHz
5A001	5.6 μ H	1.5 MHz
5A003	82 μ H	100 kHz
5A104	390 μ H	20 kHz



* = 50 ohm Bridge Impedance.

Note: For the full range of Inductive Balance Loads please contact your local GE Approved Dealer.

Adapters

The following adapters can be used to connect cables between different types of GE instrument.

Part No	Description	Adapter Type
40A002	For connecting Locator absolute probes to Locator 3s, Phasec 2s/2d	12-way Lemo to BNC
40A003	For connecting Locator 2/2s probes to Locator 3s, Phasec 2s/2d	12-way Lemo to 7-way Lemo Socket
45A101	For connecting Phasec 2d probes and Mini-drive to Vector 22	16-way Lemo/ 12-way Lemo Socket

A range of adapters is available for using Rohmann, Forster, Zetec and Nortec probes on GE Eddy Current instruments, please contact your local GE Approved Dealer.

Probe Tip Protectors

Tape used to protect probe tips from wear.

Part No	Description
29A031	Shaped Teflon adhesive tape to protect probe tips from wear (packs of 30)
50A020	7mm wide by 1m long tape to protect WheelScan probe heads

Probe Starter Packages

GE provides a range of Initial Application Starter Packages, to assist in selecting probes and accessories for various inspections tasks.



Part No	Description
ASP1L2	Weld Inspection Starter Package for Locator 2s includes: 800P01NB1P Weld probe, straight, 100kHz, Ø 9.5mm 800P04NB1P Weld probe, straight, 100kHz, Ø 16mm 130P3 Broad Band probe, 35 kHz – 250 kHz 31A008 Reference Block, Fe 39A002 Cable, 7-way Lemo/BNC 29A031 Probe tip protectors 5A043V1 Hard case, with moulded inserts
ASP1P2	Weld Inspection Starter Package for probes to Locator 3s, Phasec 2s/2d includes: 800P01MB1P Weld probe, straight, 100kHz, Ø 9.5mm 800P04MB1P Weld probe, straight, 100kHz, Ø 16mm 130P3 Broad Band probe, 35 kHz – 250 kHz 31A008 Reference Block, Fe (EN1A) 5A011 Cable, BNC/BNC 40A002 Adapter, 12-way Lemo/BNC 29A031 Probe tip protectors 5A043V1 Hard case, with moulded inserts
ASP2L2	Surface Crack Detection Package for Locator 2s includes: 121P1A Unshielded Surface probe, 500kHz, straight 106P4 Shielded Surface probe, 2MHz, straight 313P24 Shielded Surface probe, 500kHz, 15° crank 90° tip 314P24 Shielded Surface probe, 2MHz, 15° crank 90° tip 352P1A Unshielded Knife probe, 2MHz, 65° tip 39A001 Cable, 7-way Lemo/Microdot 29A028 Reference Block, Fe (EN1A) 29A029 Reference Block, NFe (Al Alloy) 29A031 Probe tip protectors 5A043V2 Hard case, with moulded inserts 29A044 Probe tool roll
ASP2P2	Surface Crack Detection Package for Locator 3s, Phasec 2s/2d includes: 121P1A Unshielded Surface probe, 500kHz, straight 106P4 Shielded Surface probe, 2MHz, straight 313P24 Shielded Surface probe, 500kHz, 15° crank 90° tip 314P24 Shielded Surface probe, 2MHz, 15° crank 90° tip 352P1A Unshielded Knife probe, 2MHz, 65° tip 40A001 Cable, 12-way Lemo/Microdot 29A028 Reference Block, Fe (EN1A) 29A029 Reference Block, NFe (Al Alloy) 29A031 Probe tip protectors 5A043V2 Hard case, with moulded inserts 29A044 Probe tool roll
ASP3L2	Conductivity Measurement Package for Locator 2s includes: 47P001 Conductivity probe, 500kHz 33A136 Dual Conductivity Reference Block, 8.9% & 57.5% IACS 39A170 Cable, Conductivity 7-way Lemo/5-way Lemo 5A043V3 Hard case, with moulded inserts
ASP3P2	Conductivity Measurement Package for Locator 3s, Phasec 2s/2d includes: 47P001 Conductivity probe, 500kHz 33A136 Dual Conductivity Reference Block, 8.9% & 57.5% IACS 33A170 Cable, Conductivity 12-way Lemo/5-way Lemo 5A043V3 Hard case, with moulded inserts

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