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GB Inspection Systems Ltd

Leading UK Designer and Manufacturer of Ultrasonic Probes and Accessories.



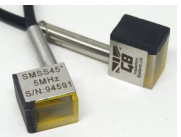








Index Page

Single Shear Wave Probes _____	Page 3
Twin Shear Wave Probes _____	Page 4
Angle Compression _____	Page 5
Single Compression 0° Probes _____	Page 6-7
Twin Compression 0° Probes _____	Page 8-10
High Temperature Probes _____	Page 11
Creep Wave & Surface Wave Probes _____	Page 12
TOFD Including LIMBOTOFD™ , TULA™ and Integral-TOFD _____	Page 13-14
Railway Probes — Axle _____	Page 15
Railway Probes — Track _____	Page 16
Railway — Accessories _____	Page 17
Probe Cables _____	Page 18
Probe & Cable Accessories _____	Page 19
Calibration Blocks _____	Page 20
Custom Made Probes _____	Page 21
Certification _____	Page 22
Partnerships _____	Page 23
Global Distribution _____	Page 24



Shear Wave—Single Probes

Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	SMSSi	Extra Miniature Single Shear with Integral Cable (RG174) with a Contact Face of 13 x 8mm	∅6.3mm	38°, 45°, 60°, 70°	5MHz, 10MHz
	SMSS	Extra Miniature Single Shear with a Contact Face of 13 x 8mm	∅6.3mm	38°, 45°, 60°, 70°	5MHz, 10MHz
	MMSS	Sub Miniature Single Shear with a Contact Face of 17 x 8mm	5mm x 5mm	38°, 45°, 60°, 70°	5MHz
	MSS	Miniature Single Shear with a Contact Face of 19 x 12mm	∅6.3mm	38°, 45°, 60°, 70°	5MHz, 10MHz
	SS	Single Shear with a Contact Face of 29 x 16mm	∅10mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	SSHP	Single Shear High Performance with a Contact Face of 29 x 16mm	∅10mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	MWS	Single Shear with a Contact Face of 27 x 16mm	8 x 9mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	LSS	Large Single Shear with a Contact Face of 40 x 25mm. Versions a, b, c, d available in different crystal sizes.	A-∅15mm, B-14 x 14mm C-15 x 17mm, D-16 x 16mm	38°, 45°, 60°, 70°	(a, b, c, d) 2MHz, (a, c, d) 2.5MHz, (a, b, c, d) 4MHz
	XLSS	Extra Large Single Shear with a Contact Face of 49 x 32mm	20 x 20mm	38°, 45°, 60°, 70°	2MHz, 2.5MHz, 4MHz



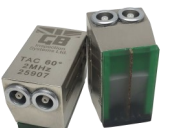



Shear Wave—Twin Probes

Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	BTP	Boiler Tube Probe with a Contact Face of 18 x 15mm	5mm x 5mm	70°	5MHz, 10MHz
	TS	Twin Shear with a Contact Face of 29 x 16mm	8 x 5mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	MWT	Twin Shear with a Contact Face of 27 x 16mm	9 x 5mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	LTS	Large Twin Shear with a Contact Face of 40 x 25mm	7 x 12mm	38°, 45°, 60°, 70°	2.5MHz, 4MHz



Angle Beam Compression Wave Probes

Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	SAC	Single Angle Compression with a Contact Face of 29 x 16mm	Ø10mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	LSAC	Large Single Angle Compression with a Contact Face of 25 x 40mm	Ø15mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	XLSAC	Extra Large Single Angle Compression with a Contact Face of 32 x 49mm	Ø20mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	TAC	Twin Angle Compression with a Contact Face of 27 x 16mm	5 x 10mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	LTAC	Large Twin Angle Compression with a Contact Face of 25 x 40mm	8 x 15mm	38°, 45°, 60°, 70°	2MHz, 4MHz
	XLTAC	Extra Large Twin Angle Compression with a Contact Face of 32 x 49mm	10 x 20mm	38°, 45°, 60°, 70°	2MHz, 4MHz



Single 0° Compression Probes

Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	SMSC	Sub Miniature Single Compression	ø5mm, ø6mm	ø10.2mm	5MHz, 10MHz
	SCDL	Single Compression Delay Line	ø1/4in	ø8.5mm	5MHz, 10MHz
	SCLP	Single Compression Low Profile	ø10mm, ø20mm	ø14mm	2MHz, 2.5MHz, 4MHz, 5MHz
	SCSF	Single Compression Soft Faced with 4 additional membranes, also available to buy in packs	ø10mm	ø16mm	2MHz, 4MHz, 5MHz
			ø24mm	ø33mm	2MHz, 4MHz







Single 0° Compression Probes

Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	SCHF	Single Compression Hard Faced (Ceramic Type)	ø10mm	ø20mm	2MHz, 2.5MHz, 4MHz, 5MHz
			ø15mm	ø32mm	2MHz, 2.5MHz, 4MHz, 5MHz
			ø20mm	ø32mm	2MHz, 2.5MHz, 4MHz, 5MHz
	SC	Single Compression Steel Faced	ø10mm	ø16mm	2MHz, 2.5MHz, 4MHz, 5MHz
			ø15mm	ø21mm	2.5MHz, 4MHz, 5MHz







Twin 0° Compression Probes

Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	DTC	Twin Compression	Ø10mm	Ø14mm	5MHz
	TCLP	Twin Compression Low Profile	Ø5mm	Ø8.5mm	5MHz, 10MHz
	SMTC	Sub Miniature Twin Compression with Integral cable	Ø6.3mm	Ø10mm	5MHz, 10MHz
	MTC	Miniature Twin Compression with Integral Cable	Ø10mm	Ø14mm	5MHz



Twin 0° Compression Probes

Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	TC	Twin Compression Stainless Steel housing	Ø10mm	Ø18mm	2MHz, 2.5MHz, 4MHz, 5MHz
			Ø15mm	Ø21mm	2MHz, 2.5MHz, 4MHz, 5MHz
			Ø20mm	Ø26mm	2MHz, 2.5MHz, 4MHz, 5MHz
	TCP/TCA	Twin Compression Plastic or Aluminium housing	Ø10mm	Ø18mm	2MHz, 2.5MHz, 4MHz, 5MHz

Twin 0° Compression Probes



Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	TCSF	Twin Compression Soft Faced with 4 additional membranes Also available to buy in packs – see accessories	ø10mm	ø18mm	2MHz, 4MHz, 5MHz
			ø10mm	ø33mm	2MHz, 4MHz
	TCE	Twin Compression Aluminium (Square housing)	ø10mm	ø18mm	2MHz, 2.5MHz, 4MHz, 5MHz
			ø15mm	ø21mm	2MHz, 2.5MHz, 4MHz, 5MHz
			ø20mm	ø26mm	2MHz, 2.5MHz, 4MHz, 5MHz
	PT	Plate Tester Probe	ø20mm	ø25mm	2.5MHz, 4MHz

High Temperature Probes

Provides excellent sensitivity at high temperatures for intermittent use

“H” Range capable of intermittent testing up to 200°C

“GH” Range capable of intermittent testing up to 300°C



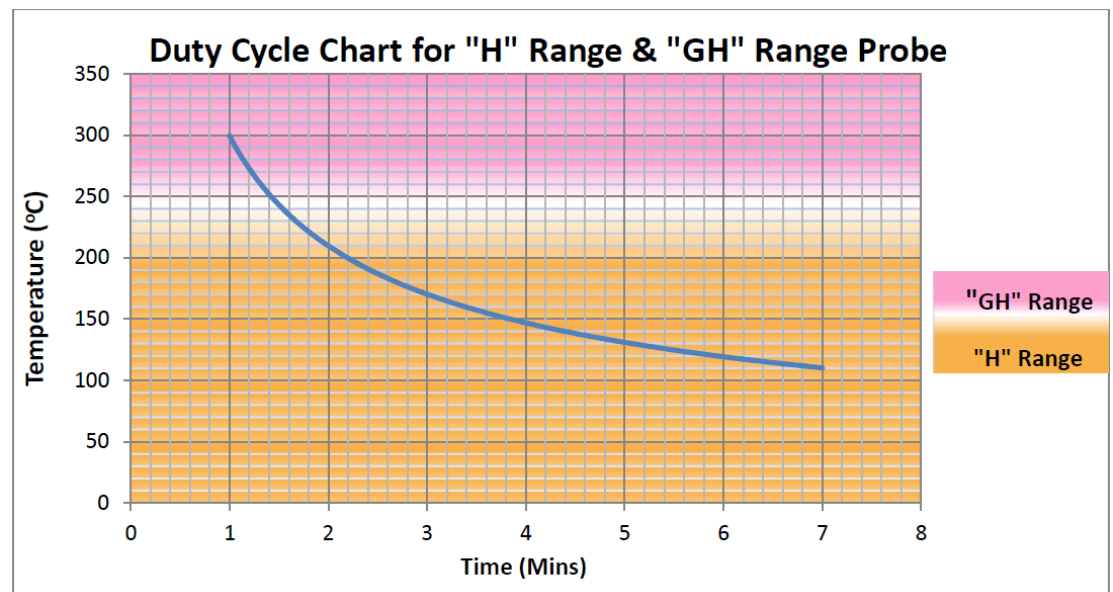
The vast majority of our probes can be manufactured as a high temperature version to suit intermittent testing ranges of either 200°C or 300°C.

Please contact our sales team for further information and prices.

“H” Range



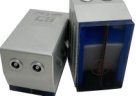


“G” Range





Creep Wave Probes

Images	Order Code	Description	Crystal Size	Standard Frequency
	CW	Creep Wave Probe with a Contact Face of 27 x 16mm	5 x 10mm	2MHz, 4MHz, 5MHz
	LCW	Large Creep Wave Probe with a Contact Face of 40 x 25mm	8 x 15mm	2MHz, 4MHz, 5MHz
	XLCW	Extra Large Creep Wave Probe with a Contact Face of 49 x 32mm	10 x 20mm	2MHz, 4MHz, 5MHz

Surface Wave Probes

Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
SS90	Surface Wave Single Shear 90° High Performance with a Contact Face of 29 x 16mm	ø10mm	90°	2MHz, 2.5MHz, 4MHz
MWS90	Surface Wave Single Shear 90° with a Contact Face of 27 x 16mm	8 x 9mm	90°	2MHz, 4MHz
LSS90	Surface Wave Large Single Shear 90° with a Contact Face of 40 x 25mm	ø15mm	90°	2MHz, 2.5MHz, 4MHz
XLSS90	Surface Wave Extra Large Single Shear 90° with a Contact Face of 49 x 32mm	20 x 20mm	90°	2MHz, 4MHz

TOFD (Time Of Flight Diffraction)

LIMBOTOFD™ Patent GB 1721460.2

Low Profile - Only 10mm high allowing easy access to previously inaccessible areas which are currently untestable using conventional TOFD transducers

Integral Wedge - Unique patent pending design providing convenient use without the need to change wedges and the assurance of the transducer/wedge couplant film

Reduces inspection cost - No need to implement other possibly disruptive inspection methods such as Radiography



Order Code	Description	Crystal Size	Position	Standard Angles	Standard Frequency
LTOFD	LIMBOTOFD™ Composite Compression Wave with integral cable and Lemo 00 connector.	ø3mm, ø6mm	L (Front), R (Rear)	45°, 60°, 70°	10MHz, 15MHz

TULA™ (TOFD Ultra Low Angle) Patent pending GB 1808654.6, 1808665.2

TOFD principle, in one housing

Cost affective industry solution

Suite of TULA probes with defined focussing

TULA probes are designed to specifically identify early stages of HTHA (High Temperature Hydrogen Attack) in varying materials to cover depths of up to 120mm thick



Order Code	Description	Crystal Size	Standard Frequency
TULA-A	TULA™ TOFD Ultra Low Angle (0° roof angle)	ø6mm	10MHz
TULA-B	TULA™ TOFD Ultra Low Angle (Focus 10mm)	ø6mm	10MHz
TULA-C	TULA™ TOFD Ultra Low Angle (Focus 25mm)	ø6mm	10MHz

Patent GB 1721460.2

integral-TOFD

- Faster and easier setup time—No connection between transducer and wedge necessary
- Consistent sensitivity—No couplant inconsistencies between transducer and wedge pairing.
- Greater reliability—Transducer and wedge cannot become loosened during use.
- Eliminates the risk of breakage between transducer and wedge.
- Available in a variety of angles, frequencies and crystal sizes.









TOFD				
Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
iT	Integral TOFD Composite Crystal Compression Wave	3mm, 6mm	45°, 60°, 70°	5MHz, 10MHz





Railway — Axle

Leading range of axle inspection probes approved by many specifiers and OEM's







Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	LSSBR	Large Single Shear Axle Probe with a Contact Face of 25 x 40mm with Calibration Certificate and label	ø15mm	37°, 45°, 60°, 70°, 90°	2.5MHz
	MHAT	Manual Hollow Axle Test Probe Forward/Rearward for 50-69mmø head Small Type with Calibration Certificate and label with a contact face per probe of 16 x 29mm	ø10mm	38°, 45°, 60°, 70°	5MHz
	Order Code	Description	Crystal Size	Face Angle	Standard Frequency
	TCBR	Twin Compression Axle Probe 0° with a contact face of 28 x 32mm with Calibration Certificate and label	20 x 10mm	Any angle up to 25°	2.5MHz
	LTCBR	Large Twin Compression Axle Probe 0° with a contact face of 32 x 38mm with Calibration Certificate and label	20 x 10mm	Any angle up to 25°	2.5MHz
	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	SCBR(S)	Single Compression Axle Probe Small Type with Calibration Certificate and label	ø20mm	ø21mm	2.5MHz, 4MHz
	SCBR(L)	Single Compression Axle Probe Large Type with Calibration Certificate and label	ø20mm	ø31mm	2.5MHz, 4MHz
	SCLP	Single Compression Low Profile with integral cable with Calibration Certificate and label	ø10mm	ø14mm	2.5MHz

Railway — Track

Network Rail Approved as well as many other owner and operators

High signal to noise ratio



Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	LSST	Large Single Shear Track with Calibration Certificate and label	ø15mm	38°, 40°, 45°, 70°	2.5MHz, 4MHz
Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	SCT	Single Compression Track 0° with Calibration Certificate and label	ø15mm	ø19mm	2.5MHz
	TCT	Twin Compression Track 0° with Calibration Certificate and label	ø10mm	ø18mm	5MHz
Network Rail Approved					
Images	Order Code	Description	Crystal Size	Standard Angles	Standard Frequency
	LSSNR	Large Single Shear Track with Calibration Certificate and label, NR Catalogue# 0094/016065	ø15mm	38°, 40°, 45°, 70°	2.5MHz
Images	Order Code	Description	Crystal Size	Contact Face	Standard Frequency
	TCNR	Twin Compression Track 0° with Calibration Certificate and label	ø10mm	ø19mm	5MHz
	SCNR	Single Compression Track with Calibration Certificate and label, NR Catalogue# 0094/016063	ø15mm	ø18mm	2.5MHz

Railway — Accessories



Complete MHAT assembly

Rail Axle Accessories	
Order Code	Description
MHAT-KIT	Manual Hollow Axle Ultrasonic Test System, up to \varnothing 110mm Head including probes, graduated handle, pressure couplant and case



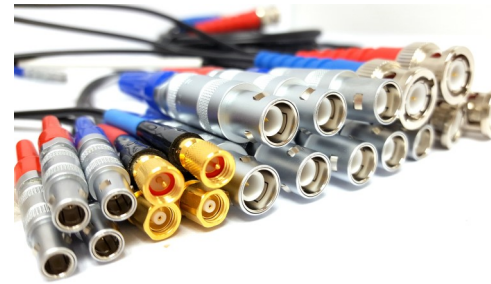
RWTJ-1 Stainless Steel

Rail Track Accessories	
Order Code	Description
RWTJa-1	Rail Weld Track Jig (Aluminium) - Tandem probe holder (LSST(NR) Range) with 200mm rule
RWTJs-1	Rail Weld Track Jig (Stainless Steel) - Tandem probe holder (LSST(NR) Range) with 200mm rule
GB-STD-2	10" Rail Section Calibration Block with head and foot defects (No Bolt hole) with Conformity Certificate
GB-STD-2-500	500mm Rail Section Calibration Block with head and foot defects (No Bolt hole) with Conformity Certificate
GB-STD-3	STD3 Rail Section Mounting Rig / Calibration Block with Conformity Certificate

Probe Cables

- All Cables are manufactured with RG174 as standard unless otherwise stated
- Other Connectors, Cable Types and Lengths available upon request (£POA)

Order Code	Description
Twin	
PCT-BNC-BNC	Twin Probe Cable / BNC to BNC connector(RG174)
PCT-BNC-S	Twin Probe Cable / BNC to Subvis connector
PCT-BNC-ML	Twin Probe Cable / BNC to Lemo 00 connector
PCT-BNC-MD	Twin Probe Cable / BNC to Microdot connector
PCT-L-L	Twin Probe Cable / Lemo 01 to Lemo 01 connector
PCT-L-S	Twin Probe Cable / Lemo 01 to Subvis connector
PCT-L-ML	Twin Probe Cable / Lemo 01 to Lemo 00 connector
PCT-L-MD	Twin Probe Cable / Lemo 01 to Microdot connector
PCT-L-BNC	Twin Probe Cable / Lemo 01 to BNC connector
PCT-L-DM	Twin Probe Cable / Lemo 01 to DM connector
PCT-ML-ML	Twin Probe Cable / Lemo 00 to Lemo 00 connector
PCT-ML-S	Twin Probe Cable / Lemo 00 to Subvis connector
PCT-ML-MD	Twin Probe Cable / Lemo 00 to Microdot connector
PCT-ML-DM	Twin Probe Cable / Lemo 00 to DM connector
PCT-DM-DM	Twin Probe Cable / DM to DM connector
PCT-DM-MD	Twin Probe Cable / DM to Microdot connector
PCT-DM-S	Twin Probe Cable / DM to Subvis connector



Order Code	Description
Single	
PC-BNC-BNC	Probe Cable / BNC to BNC connector
PC-BNC-BNC PRS	Probe Cable / BNC to BNC (Pairs)
PC-BNC-BNC1	Probe Cable / BNC to BNC connector, 1M
PC-BNC-BNC1M PRS	Probe Cable 1M/BNC-BNC RG58(Pairs) 1 x Red 1 x Blue
PC-BNC-S	Probe Cable / BNC to Subvis connector
PC-BNC-ML	Probe Cable / BNC to Lemo 00 connector
PC-BNC-MMD	Probe Cable / BNC to Mini Microdot connector RG178
PC-BNC-MD	Probe Cable / BNC to Microdot connector
PC-BNC-WUHF	Probe Cable / BNC to WUHF connector
PC-L-L	Probe Cable / Lemo 01 to Lemo 01 connector
PC-L-S	Probe Cable / Lemo 01 to Subvis connector
PC-L-ML	Probe Cable / Lemo 01 to Lemo 00 connector
PC-L-MD	Probe Cable / Lemo 01 to Microdot connector
PC-L-BNC	Probe Cable / Lemo 01 to BNC connector(RG58)
PC-L-BNC(RG174)	Probe Cable / Lemo 01 to BNC connector (RG174)
PC-L-WUHF	Probe Cable / Lemo 01 to WUHF connector
PC-ML-ML	Probe Cable / Lemo 00 to Lemo 00 connector
PC-ML-S	Probe Cable / Lemo 00 to Subvis connector
PC-ML-MD	Probe Cable / Lemo 00 to Microdot connector
PC-L1B304-L1B304	Encoder Cable Special PC/L1B304-L1B304 8ft long



Probe and Cable Accessories

Order Code	Description
Probe Accessories	
MHAT-SKIDS	Hollow Axle Test Head - Replacement set of Skids, Springs and Screws
RWTJ-A	Accessories for RWTJ-1
JIR-DJG012	JIREH Circ-it Adaptor for LIMBOTOFD™
PH-LimAD	PHOENIX ISL Adaptor for LIMBOTOFD™ - UNDER REDEVELOPMENT
COB-LimAD	OLYMPUS COBRA Adaptor for LIMBOTOFD™ - UNDER DEVELOPMENT
DL5S	Delay Line for SCDL6-5 & SCDL6-10
GS24	Replaceable Membrane Ø24mm - Pack of 10 for 10mm probes.
GS45	Replaceable Membrane Ø45mm - Pack of 10 For 24mm probes.
SSWS	Wear Shoes (pack of 10) for SS & MWS Probes-Dimension: 25.7 x 15.6 x 3 mm
SSWSK	Wear Shoes includes Cork (pack of 10) for TS & MWT Probes Dimension: 25.7 x 15.6 x 3 mm
SSWSTS	Wear Shoe (pack of 10) for SS & MWS Thick Shoe Probes - Dimensions 25 x 15.5 x 4mm
TC10RSK	TC10 Re-Shoe Kit includes Cork (Pack of 10) 18mm Ø
TC15RSK	TC15 Re-Shoe Kit includes Cork (Pack of 10) 21mm Ø
TC20RSK	TC20 Re-Shoe Kit includes Cork (Pack of 10) 26mmØ
LWS	Wear Shoes (pack of 10) for LSS Probes - Dimensions 35 x 25.5 x 3mm
LWS-Short Series	Wear Shoes (pack of 10) for LSS Short Series Probes - Dimensions 33.5 x 25 x 3mm
XLSS-RS	XLSS Re-Shoe Kit (Pack of 10)
TCEWR-SS	Wear Ring for TC10 Probes (Stainless Steel) Diameter 10mm
TCEWR-B	Wear Ring for TC10 Probes (Brass) Diameter 10mm
TCE15WR-SS	Wear Ring for TC15 Probes (Stainless Steel) Diameter 15mm
TCE15WR-B	Wear Ring for TC15 Probes (Brass) Diameter 15mm
TCE20WR-SS	Wear Ring for TC20 Probes (Stainless Steel) Diameter 20mm
TCE20WR-B	Wear Ring for TC20 Probes (Brass) Diameter 20mm
WR10	Wear Ring for 10mm Soft Face Probes
WR24	Wear Ring for 24mm Soft Face Probes

Equipment Cases	
PCASE125	Plastic Case, Black with Blue clips - Size 197 x 167 x 47mm (Int 180 x 125 x 42mm) Including foam inserts
PCASE155	Plastic Case, Black with Blue clips - Size 244 x 207 x 59mm (Int 225 x 155 x 53mm)- Including foam inserts
PCASE175	Plastic Case, Black with Blue clips - Size 275 x 231 x 65mm (Int 255 x 175 x 60mm) Including foam inserts
PCASE195	Plastic Case, Black with Blue clips - Size 307 x 260 x 74mm (Int 284 x 195 x 66mm) Including foam inserts
PCASE220	Plastic Case, Black with Blue clips - size 346 x 292 x 84mm (Int 320 x 220 x 78mm) Including foam inserts
PCASE250	Plastic Case, Black with Blue clips - size 393 x 331 x 95mm (Int 365 x 250 x 85mm) Including foam inserts
PCASE290	Plastic Case, Black with Blue clips - size 456 x 384 x 110mm (Int 421 x 290 x 100mm) Including foam inserts
PCASE57455	Plastic Case, Transparent 86 x 40mm Including foam insert



Cable Accessories	
BNC-L	Adaptor BNC / Lemo 01
L-BNC	Adaptor Lemo 01 / BNC
LF-MLF	Lemo 01 Female to Lemo 00 Female Connector (pair)
L-MLF	Adaptor, Lemo 01 to Lemo 00 Female
ML-BNC	Adaptor Lemo 00 / BNC
ML-LF	Adaptor, Lemo 00 to Lemo 01 Female

Calibration Blocks

We offer and manufacture a full range of Calibration Blocks, standard and custom made.

Most of the Calibration Blocks can be manufactured out of a material you specify for example Carbon Steel, Stainless Steel or Aluminium or even supply.

Full traceability is guaranteed and Individual Certification is provided for every block.



Some of our standard blocks include:

Order Code	Description
APTB-1	APTB-1 Calibration Block with Conformity Certificate
IOW-A5	IOW (A5) Calibration Block with Conformity Certificate
V1(A2)	V1 Calibration Block (25x100x300mm with 1.5mm hole) with Conformity Certificate
V2-12.5	V2 12.5 x 1.5mm hole Calibration Block with Conformity Certificate
V2-20	V2 20 x 1.5mm hole Calibration Block with Conformity Certificate
1-8SW	1-8mm Step Wedge (+ Thickness step 15 & 20mm) Calibration Block with Conformity Certificate

Custom Made Probes

GB Inspection Systems have manufactured bespoke probes for over 30 years, covering a wide range of applications.

From simple contouring of probes used on pipe testing or providing special housings for easier access on test areas to probes designed for your specific testing applications.

Some typical applications for which we have manufactured probes are:

- Bore probe for turbine rotor inspection
- Railway probes for track and axle testing
- Turbine blade probes for steam turbine blades
- Time of flight probes for Inconel inspection
- Probes for automatic test systems
- Through-transmission probes and single probes to detect the presence of fluids
- Probes for nuclear plant inspection
- High temperature probes for petro-chemical plant and oil pipeline inspection
- Underwater test probes for oil platforms
- Aerospace application



Please send us your enquiry for Custom Made Probe requirements and we would be happy to help.

Certification of Probes

We offer 3 "standard" certificates as listed below with examples

- ICO-CON, Individual Certificate of Conformity
- ICO-CAL, Individual Certification Certificate of Calibration with detailed test results
- ICO-CALW, Individual Certificate of calibration including waveform and test results

Quantity discounts available at point of order.

We also offer a range of Export Documentation for International shipments. The order will be supplied with a commercial invoice and packing list Free of Charge, any Country or Customer specific documentation will be charged extra. Costs TBC at order stage. Examples include: Certificate of Origin, ATR 1, EUR 1

www.gbinspection.com
Tel: +44 (0)121 351 5025

Certificate of Calibration

Certificate Number	19125	Test Results		
Issue Date	30/05/2017	25 BWE	56 dB	Pass
Probe Test Number	19125	Beam Angle	0 °	Pass
Probe Manufacturer	GB Inspection Systems Ltd	Frequency	5.2 MHz	Pass
Probe Model	TC10-S(5)	Pulse Length	0.9 µs	Pass
Probe Serial Number	99947	Spurious Long Range Echo	18 dB	Pass
Specification	BS EN 12668-2	a1.5mm Hole At Range 10mm	65.5 dB	Pass
		Short Range Internal Echoes	44.5 dB	Pass

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Certificate of Calibration

Level of Uncertainty: ± 0.5%, ± 0.05MHz, ± 1dB

Test Equipment Used

Test No	19125, Test Cell 1
Instrument Type, Description & Serial Number	Flaw Detector - USM3 Krautkramer - 30222-684, Flaw Detector - Sonatest Masterscan 380M - R213244, Test Block - V1 Calibration Block - 3153, Test Block - 50mm Radius Block with 1.5mm - 1464, Test Block - V2 25mm Test Block - 84524, Impedance Meter - AGILENT HP4195A Impedance Meter - 2830Q140, Test Block - HUB1570 Fan Blade Secondary Standard QC6824 - QC682, Other - Fluke 561 Thermometer - 3707030WS, Test Block - QC6755 Ti 6/4 Consensus Standard for Fan Blade PR131, Flaw Detector - Krautkramer USM SBL AD307581/1 - 010HFF, Flaw Detector - SUII CT35009+ Flaw Detector - 565321 CT1058, Test Block - QC6827 Secondary Standard 1(AEZ191315) - QC6827 14, Test Block - QC6854 Secondary Standard 1(DR11153514) - QC6854, Test Block - V2 12.5mm 1.5mm Hole Calibration Block Aluminium - 8, Test Block - IAEZ19854 Secondary Standard - RE233, Test Block - V2 25mm Titanium Block - 1471791, Test Block - CW Calibration Block - 600152, Test Block - 1-8sw Slip Wave - GB72291, Test Block - APTB-2 DRG 6403 - 24356

In accordance with BS EN 12668-2:2010:
"Non-destructive testing. Characterization and verification of ultrasonic examination equipment. Probes."

www.gbinspection.com
Tel: +44 (0)121 351 5025

Certificate of Calibration

Detailed Test Results

Probe Test Number	Issue Date	Specification	25 BWE	56 dB	Pass
19125	30/05/2017	BS EN 12668-2	Beam Angle	0 °	Pass
			Frequency	5.2 MHz	Pass
			Pulse Length	0.9 µs	Pass
			Spurious Long Range Echo	18 dB	Pass
			a1.5mm Hole At Range 10mm	65.5 dB	Pass
			Short Range Internal Echoes	44.5 dB	Pass



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Certificate of Conformity

Certificate Number	19125
Issue Date	30/05/2017
Probe Test Number	19125
Probe Model	TC10-S(5)
Probe Serial Number	99947
Specification / Drawing Number	BS EN 12668-2

CONDITION OF MATERIALS
In accordance with BS EN 12668-2:2010:
"Non-destructive testing. Characterization and verification of ultrasonic examination equipment. Probes."

DEVIATIONS
None

It is Certified that the whole of the supplies detailed hereon have been manufactured, inspected and tested and unless otherwise stated above, conform in all aspects to the requirements of the contract or purchase order and are in accordance with our Quality Management System.

APPROVED SIGNATORY / STAMP
FOR & ON BEHALF OF GB INSPECTION SYSTEMS LTD

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