

7. ACCESSORIES

7.1 Cables - 2m Long

In addition to transducers Phoenix are able to supply a range of accessories to compliment their use. Phoenix is also able to repair existing transducers.



Lemo 00

Lemo 1

BNC

Subvis

MCX

Single Probe Cable - PC 2 metre

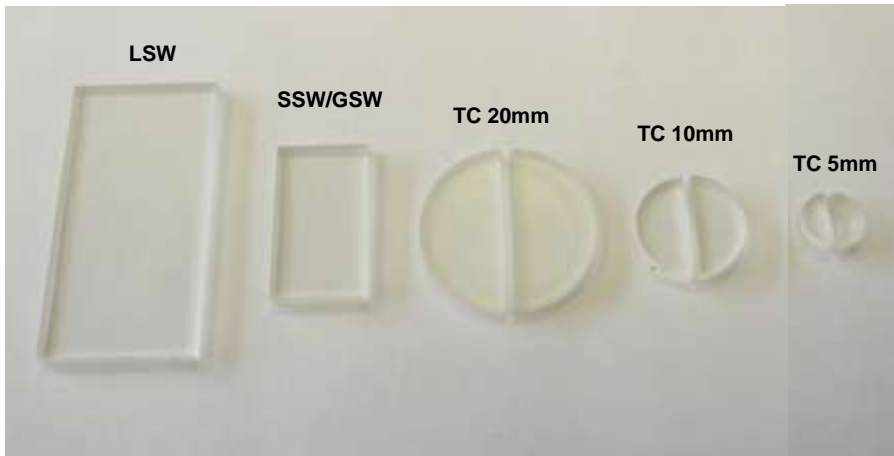
Product Code	Instrument	Transducer
PCL1-S	LEMO 1	SUBVIS
PCL1-L1	LEMO 1	LEMO 1
PCL1-L00	LEMO 1	LEMO 00
PCL1-M	LEMO 1	MICRODOT
PCL1-BNC	LEMO 1	BNC
PCL1-UHF	LEMO 1	UHF (Water proof)
PCL00-L00	LEMO 00	LEMO 00
PCL00-S	LEMO 00	SUBVIS
PCL00-M	LEMO 00	MICRODOT
PCBNC-S	BNC	SUBVIS
PCBNC-L00	BNC	LEMO 00
PCBNC-M	BNC	MICRODOT
PCBNC-BNC	BNC	BNC
PCBNC-UHF	BNC	UHF (Water proof)
PCL00-MCX	LEMO 00	MCX
PCL00-MCX (right angle)	LEMO 00	MCX right angle

Twin Probe cable - TPC 2 metre

Product Code	Instrument	Transducer
TPCL1-S	LEMO 1	SUBVIS
TPCL1-L00	LEMO 1	LEMO 00
TPCL1-M	LEMO 1	MICRODOT
TPCL1-BNC	LEMO 1	BNC
TPCBNC-S	BNC	SUBVIS
TPCBNC-L00	BNC	LEMO 00
TPCBNC-M	BNC	MICRODOT
TPCBNC-BNC	BNC	BNC
TPCL00-L00	LEMO 00	LEMO 00
TPCL00-S	LEMO 00	SUBVIS
TPCL00-M	LEMO 00	MICRODOT
TPCL00-MCX	LEMO 00	MCX
TPCL00-MCX (right angle)	LEMO 00	MCX right angle

7.2 Repair Kits

* Please note adhesive is not supplied with below



Repair Kit
SSW/GSW Single Angle (10 Shoes)
LSW Single Angle (10 Shoes)
TSW Twin Angles (10 pairs)
TC 10 (10 pairs)
TC 20 (10 pairs)
TC 5/5 (10 pairs)

7.3 Adaptors



BNC to Lemo 1



Lemo 1 to BNC

Part number	Description
ADAPTOR-BNC/L1	BNC (M) to Lemo No.1(F) Adaptor
ADAPTOR-L1/BNC	Lemo No.1 (M) to BNC (F) Adaptor

We can also make up any combination of plugs and sockets on short (100mm) tails of appropriate cable. We can also supply any Lemo product as required.

7.4 Documentation and Certification Services

Phoenix is able to supply optional documentation with transducers and calibration blocks featured in this Price List.

CERTIFICATION OPTIONS:-	
a	Certification of Conformity (per transducer)
b	Certificate (individual parameters of the specific transducer recorded)
c	Full BSEN 12668 Part 2 documentation package
d	Real-time & Frequency Analysis (per transducer)
e	Signal to Noise Curve plotted-contact probes only (per transducer)
f	Computer Generated Colour Beam Profiles-Immersion probes only (per transducer) Includes Real-Time & Frequency Analysis
g	EU Certificate of Origin (per order)
h	Saudi Arabia Certificate of Origin (per order)
i	United Arab Emirates Certificate of Origin (per order)

7.5 Options for Transducers



Wear Rings for 10 & 20mm probes

Options Manual Transducers
Wear Rings (only on TC 10mm and 20mm crystal dia probes)
Contouring (please specify relative to beam direction)
Spare Wear Pins & Grub Screws - Set of 4 off (see below)
Wear Pins - (Stainless Steel) + M3 x 3mm grub + M3 x 12mm grub
Wear Pins - (Tungsten Carbide) + M3 x 3mm grub + M3 x 12mm grub

7.6 Calibration Blocks

All blocks are supplied with a calibration certificate.

Part	Description/Application	Spec.	Size
V1 (A2) C/Steel	IIW Calibration Standard for the calibration of shear & compression wave probes, time base and sensitivity settings, verification of beam angle, emission point, resolution, 3mm hole. <i>- or formerly BS2704 with 1.5mm hole</i>	EN 12223 (Block No 1)	25x100x300mm (weight 6.2kgs)
V1 (A2) S/Steel	IIW Calibration Standard for the calibration of shear & compression wave probes, time base and sensitivity settings, verification of beam angle, emission point, resolution, 3mm hole. <i>- or formerly BS2704 with 1.5mm hole</i>	EN 12223 (Block No 1)	25x100x300mm
V1 (A2) Aluminium	IIW Calibration Standard for the calibration of shear & compression wave probes, time base and sensitivity settings, verification of beam angle, emission point, resolution, 3mm hole. <i>- or formerly BS2704 with 1.5mm hole</i>	EN 12223 (Block No 1)	25x100x300mm
V1 (A2) C/Steel 50mm THICK	IIW Calibration Standard for the calibration of shear & compression wave probes, time base and sensitivity settings, verification of beam angle, emission point, resolution, 3mm hole. <i>- or formerly BS2704 with 1.5mm hole</i>	EN 12223 (Block No 1)	50x100x300mm (weight 9.6kgs)
V2/12.5 (A4) C/Steel	Miniature calibration block for site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings with 5mm hole <i>- or formerly BS2704 with 1.5mm hole</i>	EN 27963 (Block No 2)	12.5mm Thick
V2/12.5 (A4) S/Steel	Miniature calibration block for site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings with 5mm hole <i>- or formerly BS2704 with 1.5mm hole</i>	EN 27963 (Block No 2)	12.5mm Thick

Continued over:-

Part	Description/Application	Spec.	Size
V2/12.5 (A4) Aluminium	Miniature calibration block for site checking of shear wave probes, verification of beam angles, calibration of time base and sensitivity settings with 5mm hole - or formerly BS2704 with 1.5mm hole	EN 27963 (Block No 2)	12.5mm Thick
V2/20 (A4) C/Steel	As V2 (Block No 2) but the thicker block reduces side wall echoes, 5mm dia hole - or formerly BS2704 with 1.5mm hole	EN 27963 (Block No 2)	20mm Thick
V2/20 (A4) S/Steel	As V2 but the thicker block reduces side wall echoes, 5mm dia hole - or formerly BS2704 with 1.5mm hole	EN 27963 (Block No 2)	20mm Thick
V2/20 (A4) Aluminium	As V2 but the thicker block reduces side wall echoes, 5mm dia hole - or formerly BS2704 with 1.5mm hole	EN 27963 (Block No 2)	20mm Thick
BCB IOW (A5)	Beam Calibration Block For beam profile measurement and resolution checks for shear wave probes, also sensitivity levels for shear and compression probes. - 9 holes 1.5mm dia.	BS2704	50 x 75x 305mm
A6	For checking the dominant frequency of compression wave probes, the pulse length dead zone and resolving power for both shear and compression wave probes as per BS4331 Part 3 1974. (1987)	BS2704	25x50x150mm
A6 Wooden case	A6 Varnished wooden case		
A7 (RTB)	Resolution Block for checking shear wave probe resolution as per BS4331 Part 3 1974 4 steps at 2,3,4 & 5mm		74mm radius x 75mm thick (4kg)
A7 (RTB) Wooden case	A7 (RTB) varnished wooden case		

Cont/.....

Part	Description/Application	Spec.	Size
BTB	Contoured Boiler Tube Calibration Block (BTB) - boiler tube block for calibrating low profile PA probes for use with Bracelet scanner, 3 x 1.5mm dia SDH and contoured for 2" OD (1.5" NPS) (other contours available incl. 2"/2.5"/3"/3.5"/4" NPS)	3 x 1.5mm dia SDH	25mm x 20mm x 165mm (0.6kg)
Rail Block CB87	Calibration Block including a cert and wallet	-	-
Rail Block CB91	Calibration Block including a cert	-	-
Flat Phased Array Test Block	Flat Phased Array Calibration block for calibrating TCG, Sensitivity, Velocity and Wedge Delay	3 x 1.5mm SDH	-
Contoured Phased Array Test Block	Contoured Phased Array Calibration block for calibrating TCG, Sensitivity, Velocity and Wedge Delay (contour TBA by customer)	3 x 1.5mm SDH	-

7.7 Step wedges

Part	Description/Application	Material
LSW 1-8mm C/Steel	8 steps from 1mm to 8mm Pad size: 15mm (Inc case)	Carbon steel
LSW 1-8mm Aluminium	8 steps from 1mm to 8mm Pad size: 15mm (Inc case)	Aluminium
LSW 1-8mm S/Steel	8 steps from 1mm to 8mm Pad size: 25mm (Inc case)	Stainless Steel
LSW 4-20	4 steps at 5-10-15-20mm Pad size: 20mm (Inc case)	Carbon Steel Stainless Steel Aluminium
LSW 4-25	4 steps at 5-10-15-20mm Pad size: 25mm (Inc case)	Carbon Steel Stainless Steel
LSW 1-10	10 steps at 1mm Pad size: 15mm (Inc case)	Carbon Steel Stainless Steel
LSW 2-20	10 steps at 2mm Pad size: 20mm (Inc case)	Carbon Steel
LSW 5-25	5 steps at 5-10-15-20-25mm Pad size: 20mm	Carbon Steel Stainless Steel Aluminium
LSW 1.5- 20 Perspex holder	1.5 -2.5-5-10-15-20mm steps Inserts: 25mm diameter	Mild Steel
CSW - Curved Step Wedge	5 steps (2, 4, 6, 8, 10mm) for time base calibration of thickness measuring probes	Carbon Steel

Phoenix ISL has a policy of continuous development therefore prices stated are subject to change.
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