



► CALIBRATION
TESTBLOCKS 1

○ 001

○ 05

○ 2009



► ULTRASONIC PROBES
AND CABLES 2



► ULTRASONIC CABLES.
6

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Calibration *Test blocks*

AUSTRALIAN NDT SALES SUPPLIES A COMPLETE & COMPREHENSIVE RANGE OF ULTRASONIC PROBES, CABLES, CALIBRATION TESTBLOCKS & TESTING EQUIPMENT.

All test blocks meet all required international standards specific to them. Australian NDT Sales can also manufacture custom calibration blocks specific to your requirements if it is different to the current standards and materials.

Helping you achieve your testing goals



V-1 Calibration Test Block.
IIW(V1) test block
Material: A1018 Steel
All including ABS plastic case and manufacturers certificate.



V-2 Calibration Test Block
The hole is 1.5mm
Standard thickness: 20mm
Material: A1018 Steel
All including ABS plastic case and manufacturers certificate.



UT Resolution block for Checking shear wave probe resolution.
Steps of 2,3,4 and 5mm. 74mm radius x 75mm thick



V-1 Test Block rotation table:
Simply clamps onto the test block allowing you to rotate the block with out lifting it.



Ultrasonic Probes

Dual longitudinal focus probes



P/N	FREQ MHz	CRYSTAL SIZE mm	ANGLE Degree	Sound Pass FS=mm	Case Dimension mm	Probe connector
1.5P10X20L45F20	1.5	10x20	45	20	30x30x25	Lemo 00
1.5P10X20L60F20	1.5	10x20	60	20	30x30x25	Lemo 00
1.5P10X20L70F20	1.5	10x20	70	20	30x30x32	Lemo 00
1.5P15x25L45F32	1.5	15x25	45	32	40x40x32	Lemo 00
1.5P15x25L60F28	1.5	15x25	60	28	40x40x32	Lemo 00
1.5P15x25L70F25	1.5	15x25	70	25	40x40x32	Lemo 00
1.5P20x30L45F47	1.5	20x30	45	47	50x50x38	Lemo 00
1.5P20x30L60F32	1.5	20x30	60	32	50x50x38	Lemo 00
1.5P20x30L70F30	1.5	20x30	70	30	50x50x38	Lemo 00
2P10X15L45F20	2	10x15	45	20	30x30x25	Lemo 00
2P10X15L60F17	2	10x15	60	17	30x30x25	Lemo 00
2P10X15L70F15	2	10x15	70	15	30x30x25	Lemo 00
2P10X20L45F28	2	10x20	45	28	30x30x25	Lemo 00
2P10X20L60F23	2	10x20	60	23	30x30x25	Lemo 00
2P10X20L70F20	2	10x20	70	20	30x30x25	Lemo 00
2P15x25L45F45	2	15x25	45	45	40x40x32	Lemo 00
2P15x25L60F38	2	15x25	60	38	40x40x32	Lemo 00
2P15x25L70F35	2	15x25	70	35	40x40x32	Lemo 00
2P20x35L45F70	2	20x35	45	70	60x60x38	Lemo 00
2P20x35L60F60	2	20x35	60	60	60x60x38	Lemo 00
2P20x35L70F50	2	20x35	70	50	60x60x38	Lemo 00
4P10X15L45F33	4	10x15	45	33	30x30x25	Lemo 00
4P10X15L60F28	4	10x15	60	28	30x30x25	Lemo 00
4P10X15L70F23	4	10x15	70	23	30x30x25	Lemo 00

Near surface flaw detection probes

CD-10 transducer is designed for thickness gauging and near surface flaw detection. (similar to WK WD-10)
Subvis are standard connector, Lemo00 equivalent and Microdot equivalent connector also available.

Model	Frequency MHz	Crystal Dia.	Standard Connector
CD2-10	2	10mm	Subvis
CD5-10	5	10mm	Subvis



Contact Membrane Plastic probes



Probe Type	Frequency MHz	Crystal Size mm	Connector
KY-PP-020-12S	2	12	Lemo 00 equivalent
KY-PP-040-12S	4	12	Lemo 00 equivalent
KY-PP-020-20S	2	20	Lemo 00 equivalent
KY-PP-040-20S	4	20	Lemo 00 equivalent
KY-PP-005-24S	0.5	24	Lemo 1 equivalent
KY-PP-010-24S	1	24	Lemo 1 equivalent
KY-PP-020-24S	2	24	Lemo 1 equivalent
KY-PP-040-24S	4	24	Lemo 1 equivalent



Probe Type	Frequency MHz	Crystal Size mm	Connector
KY-PPD-020-12S	2	12	Lemo 00 equivalent
KY-PPD-040-12S	4	12	Lemo 00 equivalent
KY-PPD-050-10S	5	10	Lemo 00 equivalent
KY-PPD-020-20S	2	20	Lemo 00 equivalent
KY-PPD-040-20S	4	20	Lemo 00 equivalent
KY-PPD-010-24S	1	24	Lemo 1 equivalent
KY-PPD-020-24S	2	24	Lemo 1 equivalent
KY-PPD-040-24S	4	24	Lemo 1 equivalent



Small diameter Straight Beam Probes



General purpose medium damped flaw transducers for detection and thickness gauging applications.

Microdot equivalent connectors are standard, subvis and Lemo 00 equivalent on special order.

Model	Case	Frequency MHz	Crystal Dia.(mm/in)	Standard Connector
KY-PPS5-6	Short	5	6/.250"	Microdot equivalent
KY-PPT5-6	Tall	5	6/.250"	Microdot equivalent
KY-PPT5-9	Tall	5	9/.375"	Microdot equivalent
KY-PF5-6	Fingertip	5	6/.250"	Microdot equivalent
KY-PF5-12	Fingertip	5	12/.500"	Microdot equivalent
KY-PF2-6	Fingertip	2.25	6/.250"	Microdot equivalent
KY-PF2-9	Fingertip	2.25	9/.375"	Microdot equivalent
KY-PF2-12	Fingertip	2.25	12/.500"	Microdot equivalent
KY-PF5-6	Fingertip	5	6/.250"	Microdot equivalent
KY-PH5-9	Fingertip	5	9/.375"	Microdot equivalent
KY-PF5-12	Fingertip	5	12/.500"	Microdot equivalent

Small diameter Straight Beam Probes



Model	Frequency MHz	Size mm	Footprint mm	Connector	Angle
KM-645	5	6x6	10.7 x 18.7	Lemo 00	45
KM-660	5	6x6	10.7 x 18.7	Lemo 00	60
KM-670	5	6x6	10.7 x 18.7	Lemo 00	70
KM-445	5	4x6	8.3 x 18.7	MICRODOT	45
KM-460	5	4x6	8.3 x 18.7	MICRODOT	60
KM-470	5	4x6	8.3 x 18.7	MICRODOT	70

Euro style Angle Beam Probes



- Band width 45-55% at - 6dB
- Sensitivity better than KK 6-8dB more
- Lemo 00 equivalent connector are standard.

Model	Frequency MHZ	Size (mm)	Angle
ABC-0245	2	8 X 9	45
ABC-0260	2	8 X 9	60
ABC-0270	2	8 X 9	70
ABC-0445	4	8 X 9	45
ABC-0460	4	8 X 9	60
ABC-0470	4	8 X 9	70
ABE-0245	2	14 X 16	45
ABE-0260	2	14 X 16	60
ABE-0270	2	14 X 16	70
ABE-0245	4	14 X 16	45
ABE-0260	4	14 X 16	60
ABE-0270	4	14 X 16	70
BBP-0245	2	20 X 22	45
BBP-0260	2	20 X 22	60
BBP-0270	2	20 X 22	70
BBP-0445	4	20 X 22	45
BBP-0460	4	20 X 22	60
BBP-0470	4	20 X 22	70



C-Type Probes



Model	Frequency MHz	Crystal Dia.(in/mm)	Standard Connector
C2-50	2.25	.50"12mm	BNC
C5-50	5	.50"12mm	BNC
C2-75	2.25	.75"20mm	BNC
C5-75	5	.75"20mm	BNC
C2-100	2.25	1.0"24mm	BNC
C5-100	5	1.0"24mm	BNC

Contact membrane probes

Single

Good resolution and sensitivity

- Ceramic contact face like normal contact face

Model	Frequency MHz	Crystal Dia. Mm	Standard Connector
BD-212	2	12	Lemo 00 equivalent
BD-412	4	12	Lemo 00 equivalent
BD-220	2	20	Lemo 00 equivalent
BD-420	4	20	Lemo 00 equivalent
BD-0524	0.5	24	Lemo 1 equivalent
BD-124	1	24	Lemo 1 equivalent
BD-224	2	24	Lemo 1 equivalent
BD-424	4	24	Lemo 1 equivalent



Membrane optional For:12mm probe/20mm probe/24mm probe/

Dual

Detecting wall thickness and corrosion

- Excellent near surface flaw detection

Model	Frequency MHZ	Crystal Dia. mm	Standard Connector
DP-212	2	12	Dual Lemo 00 equivalent
DP-412	4	12	Dual Lemo 00 equivalent
DP-220	2	20	Dual Lemo 00 equivalent
DP-420	4	20	Dual Lemo 00 equivalent
DP-124	1	24	Dual Lemo 00 equivalent
DP-224	2	24	Dual Lemo 00 equivalent
DP-424	4	24	Dual Lemo 00 equivalent



Membrane optional For:12mm probe/20mm probe/24mm probe/

Dual shear wave probes

Good Near surface Resolution – Bandwidth 75-90 % - special design to check thin plate and pipe welding.

Frequency	Crystal size	Probe angle	Focus Depth
4MHz	3.5 x 10 mm dual	45	10mm
4MHz	3.5 x 10 mm dual	60	8mm
4MHz	3.5 x 10 mm dual	70	6mm



Ultrasonic Cables *Armored*



BNC - MICRODOT	4 & 6 FT
BNC - BNC	4 & 6 FT
BNC - LEMO 00	4 & 6 FT
BNC - LEMO 1	4 & 6 FT
BNC - UHF	4 & 6 FT
BNC - SUBVIZ	4 & 6 FT
LEMO 00 - MICRODOT	4 & 6 FT
LEMO 00 - LEMO 00	4 & 6 FT
LEMO 00 - LEMO 1	4 & 6 FT
LEMO 00 - SUBVIZ	4 & 6 FT
LEMO 1 - MICRODOT	4 & 6 FT
LEMO 1 - SUBVIZ	4 & 6 FT
LEMO 1 - UHF	4 & 6 FT

Single & Dual



BNC - MICRODOT	6 FT RG 174
BNC - RA MICRODOT	6 FT RG 174
BNC - BNC	6 FT RG 174
BNC - LEMO 00	6 FT RG 174
BNC - LEMO 1	6 FT RG 174
BNC - SUBVIZ	6 FT RG 174
BNC - 90 DEG SUBVIZ	6 FT RG 174
LEMO 00 - MICRODOT	6 FT RG 174
LEMO 00 - 90 RA MICRODOT	6 FT RG 174
LEMO 00 - LEMO 00	6 FT RG 174
LEMO 00 - LEMO 1	6 FT RG 174
LEMO 00 - SUBVIZ	6 FT RG 174
LEMO 00 - 90 DEG SUBVIZ	6 FT RG 174
LEMO 1 - MICRODOT	6 FT RG 174
LEMO 1 - RA MICRODOT	6 FT RG 174
LEMO 1 - LEMO 1	6 FT RG 174
LEMO 1 - SUBVIZ	6 FT RG 174
LEMO 1 - 90 DEG SUBVIZ	6 FT RG 174
DUAL BNC - MICRODOT	6 FT RG 174
DUAL BNC - LEMO 00	6 FT RG 174
DUAL BNC - SUBVIZ	6 FT RG 174
DUAL LEMO 00 - MICRODOT	6 FT RG 174
DUAL LEMO 00 - LEMO 00	6 FT RG 174
DUAL LEMO 00 - LEMO 1	6 FT RG 174
DUAL LEMO 1 - MICRODOT	6 FT RG 174
DUAL LEMO 1 - 90 DEG SUBVIZ	6 FT RG 174
SINGLE RG174 CABLE, 50 Ohm	CUSTOM
DUAL RG174 TWIN CABLE, 50 Ohm	CUSTOM
BNC - 90 DEG LEMO 00	6 FT RG 174
MICRODOT - 90 DEG LEMO 00	6 FT RG 174
LEMO 00 - 90 DEG LEMO 00	6 FT RG 174
90 DEG LEMO 00 - 90 DEG LEMO 00	6 FT RG 174
LEMO 1 - 90 EG LEMO 00	6 FT RG 174



SPECIAL CABLES: Panametrics & K K styles.



LEMO 00 - MICRODOT	2M
DUAL LEMO 00 - LEMO 00 (DOUBLE PLUG)	15M
DUAL LEMO 00 - LEMO 00 (SINGLE PLUG)	15M
DUAL MICRODOT - LEMO 00 (ONE LARGE AND SMALL MICRODOT)	15M
DUAL MINI LEMO - LEMO 00	15M
DUAL LEMO 00 - LEMO 1 (ONE PLUG)	2M
DUAL MICRODOT - LEMO 1 (ONE LARGE AND SMALL MICRODOT)	2M