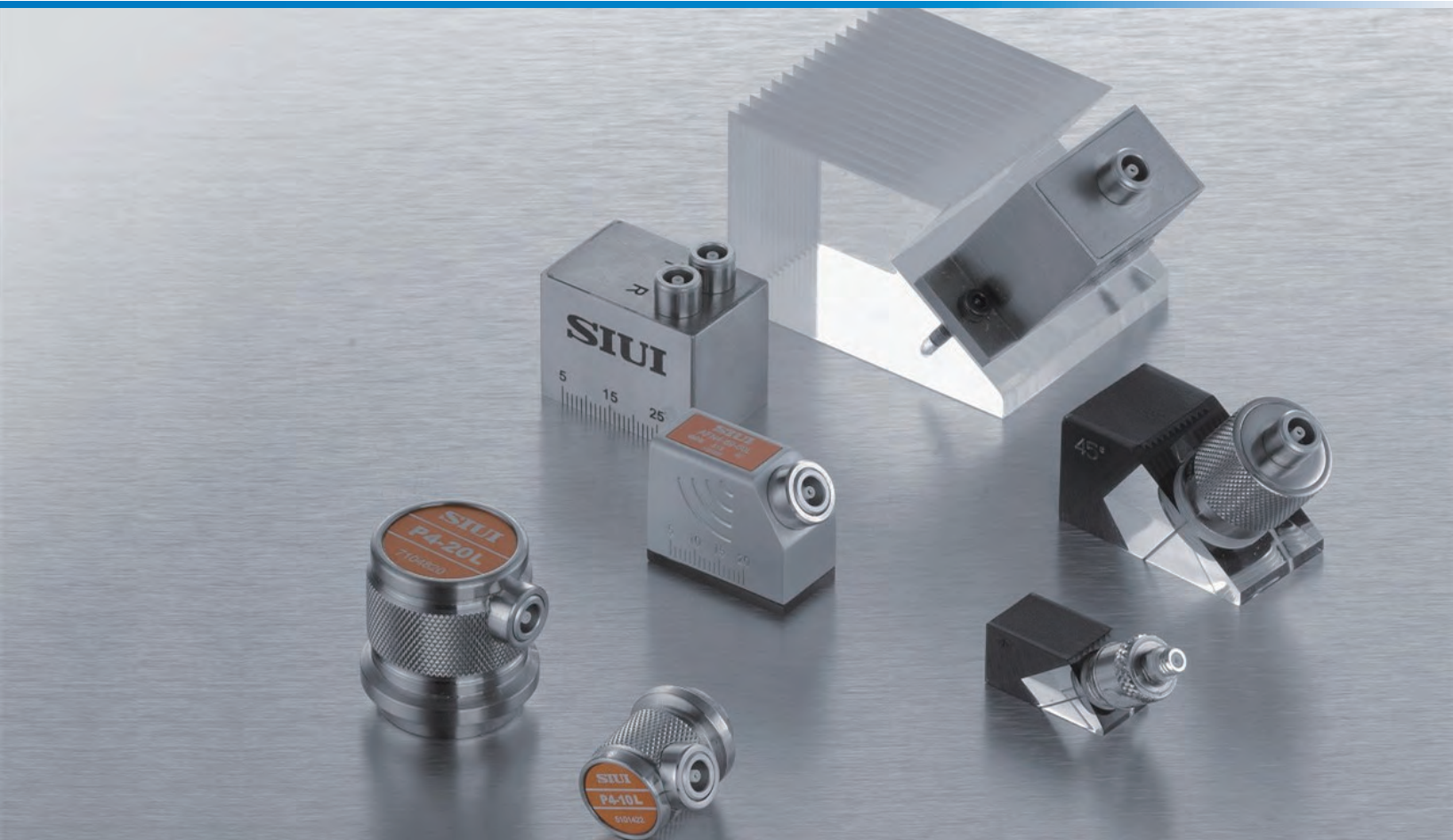


Ultrasonic Probes & Accessories



SIUI



Production Capability & Quality Assurance

SIUI product adopts:

- **Highly advanced manufacturing facility**
- **Rigorous production environment control**
- **Strict product testing and inspection equipment**

With an aim to reach advanced international level, SIUI strictly executes every step of development, purchase, production, sales and after sales service according to related international and national quality standards.

The line of ultrasound probe includes normal, angle, variable-angle, dual, immersion, focusing angle-beam, broadband normal probes, composite probes, spotweld probes and custom ultrasonic probes, which can meet different application requirements of customers. In addition, OEM orders can be accepted subject to specifications and purchase quantity.



Environmental Chamber



International Advanced SMT Production Line



World-leading Probe Inspection System



Since 1995, SIUI has been certified by lots of domestic and overseas authorities.

- ISO9001 Certification
- European CE Marking
- China's national ultrasonic standard for equipment and probe, is drafted by SIUI
- Product Certification issued by Ministry of Railway
- An affiliated unit to the Product Quality Supervision and Test Center for Mechanical Industry Ultrasonic Instruments
- The only professional institute of ultrasonic instruments in China



ISO9001

Normal Probe

There are two series of normal probes for your selection:



Mid Frequency Bandwidth Series

Medium pulse, medium damping — best combination of gain and resolution
Medium Bandwidth — typical -6dB bandwidth range 30%~50%

Wide Frequency Bandwidth Series (Composite Materials)

High signal-to-noise in composite materials
Short pulse, Higher resolution than Mid Frequency series
Wide Bandwidth — typical -6dB bandwidth range 60%~120%

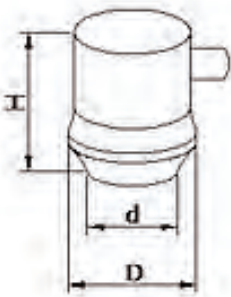
Ordering Information:

P2-20L

Series Code — Connector Type
Frequency — Crystal dimension $\Phi 20$

Application:

Mainly used for testing defects parallel to or slightly tilted against the test surface (e.g. steel plate)



Series Code	Crystal Size (mm)	D	d	H
P/M	$\Phi 6$	$\Phi 16.4$	$\Phi 10.1$	22
	$\Phi 10$	$\Phi 18.8$	$\Phi 13.1$	24
	$\Phi 13/\Phi 14$	$\Phi 21.4$	$\Phi 17.1$	26.5
	$\Phi 19/\Phi 20$	$\Phi 29.2$	$\Phi 23.5$	32
	$\Phi 24/\Phi 25$	$\Phi 32.8$	$\Phi 27.5$	34
	$\Phi 30$	$\Phi 40$	$\Phi 34$	42

Mid Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
P	0.5	$\Phi 24, \Phi 25, \Phi 30$	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	1/2/2.25	$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25, \Phi 30$	
	2.5/4/5	$\Phi 6, \Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	
	10	$\Phi 6, \Phi 10$	

Wide Frequency Bandwidth Series(Composite Materials)

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
M	0.5/1	$\Phi 19, \Phi 20, \Phi 24, \Phi 25 \Phi 29$	Blank: BNC/ L: LEMO 00/ MD: Microdot
	2/2.25/2.5	$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24$	
	4/5	$\Phi 6, \Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20$	
	10	$\Phi 6, \Phi 10$	

*LEMO 01 is only available for those crystal size ≥ 24 mm.

*Probes with crystal size 6mm are only compatible with LEMO 00 and Microdot.

Replaceable Membrane Normal Probe

There are two series of Replaceable Membrane Normal probes for selection:

Mid Frequency Bandwidth Series

Medium Pulse and Medium Damping — perfect combination of gain and resolution
Medium Bandwidth — typical -6dB bandwidth range 30%~50%

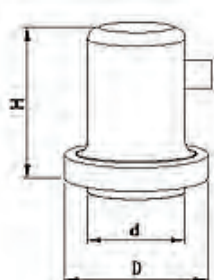
Wide Frequency Bandwidth Series

Higher Penetration, Higher Signal-to-noise,
Higher Resolution, Higher Sensitivity than Mid Freq Series
Medium Bandwidth — typical -6dB bandwidth range 60%~120%

Ordering Information:

Application:

Mainly used for inspecting container flaws as well as flaws parallel to the inspected surface, applicable for checking coarse and slightly-curved surfaced objects.



RB2-25L

Series Code — Frequency — Connector Type — Crystal dimension $\Phi 25$

Series Code	Crystal Size (mm)	D	d	H
RB/RP/RM	$\Phi 10$	$\Phi 21$	$\Phi 14$	25.8
	$\Phi 13/\Phi 14$	$\Phi 24$	$\Phi 17$	28
	$\Phi 19/\Phi 20$	$\Phi 36$	$\Phi 24$	40.5
	$\Phi 24/\Phi 25$	$\Phi 46$	$\Phi 30$	52

Mid Frequency Bandwidth Series (Recommended)

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
RB	0.5/ 1	$\Phi 19, \Phi 20, \Phi 24, \Phi 25 \Phi 29$	Blank: BNC/ L: LEMO 00/ MD: Microdot
	2/2.25/2.5	$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24$	
	4/5	$\Phi 6, \Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20$	

Mid Frequency Bandwidth Series (Based on P series normal probe with membrane protection)

Series Code	Frequency (MHz)	Crystal Size(mm)	Connector Type
RP	2/2.25/2.5/4/5	$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot

Wide Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
RM	0.5/1	$\Phi 19, \Phi 20, \Phi 24, \Phi 25, \Phi 29$	Blank: BNC/ L: LEMO 00/ MD: Microdot
	2/2.25/2.5	$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24$	
	4/5	$\Phi 6, \Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20$	

*LEMO 01 is only available for those crystal size ≥ 24 mm.

Replaceable Delay Line Normal Probe



D Series

Ordering Information:

D2.5-10L

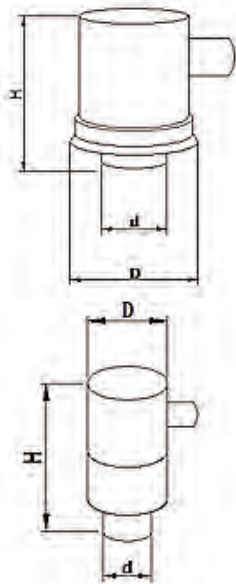
Series Code ———— Connector Type
Frequency ———— Crystal dimension $\Phi 10$



DM Series

Application:

Mainly used for inspecting flaws parallel to/ near to the inspected object surface, applicable for inspected objects with sharp edge. If the delay line is made of high-temperature material, it can also inspect high-temperature objects.



Series Code	Crystal Size (mm)	D	d	H
D/DM	$\Phi 10$	$\Phi 18$	$\Phi 11$	30
	$\Phi 14$	$\Phi 22$	$\Phi 15$	32
	$\Phi 20$	$\Phi 29$	$\Phi 21$	38
	$\Phi 24$	$\Phi 33$	$\Phi 25$	44

Series Code	Crystal Size (mm)	D	d	H
DM	$\Phi 3$	$\Phi 12$	$\Phi 4$	26
	$\Phi 6$	$\Phi 14.5$	$\Phi 8$	28.8

Mid Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
D	2/2.25/2.5/4/5	$\Phi 10, \Phi 14, \Phi 20, \Phi 24$	Blank: BNC/ L: LEMO 00/ MD: Microdot

Wide Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
DM	2/2.25/2.5	$\Phi 10, \Phi 14$	L: LEMO 00/ MD: Microdot
	4/5	$\Phi 6, \Phi 10$	
	7.5/ 10	$\Phi 3, \Phi 6$	

* 7.5/10Mhz is also available, please refer to Thickness Gauge Probe series

*Probes with crystal size 3mm are only compatible with Microdot.

Angle Probe (Transverse Wave)

There are two series of Transverse Angle probes for selection:

Narrow Frequency Bandwidth Series

General purpose, recommended for the majority of applications

Medium Bandwidth — typical -6dB bandwidth range from 20%~30%

Mid Frequency Bandwidth Series

Medium Pulse, Medium Damping — best combination of gain and resolution

Medium Bandwidth — typical -6dB bandwidth range from 30%~50%

Ordering Information:

AFN4-89-60L

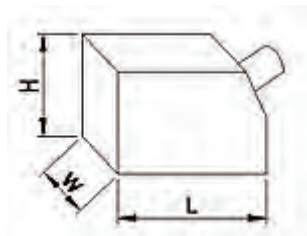
Series Code

Frequency

Crystal dimension 8×9

Connector Type

Angle



Series Code	Crystal Size (mm)	L	W	H
AFN/AFP	6×6	24.5	12.5	18
	8×9/10×10	28.5	14.8	24
	14×14/14×16	40.2	20.5	31
	20×20/20×22	52	26.5	39

Narrow Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
AFN	2/2.25	8×9, 10×10, 14×14, 14×16, 20×20, 20×22	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	2.5/4/5	6×6, 8×9, 10×10, 14×14, 14×16, 20×20, 20×22		

Mid Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
AFP	2/2.25	8×9, 10×10, 14×14, 14×16, 20×20, 20×22	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	2.5/4/5	6×6, 8×9, 10×10, 14×14, 14×16, 20×20, 20×22		

*LEMO 01 is only available for crystal size 20×20mm and 20×22mm.

*Probes with crystal size 6×6mm are only compatible with LEMO 00 and Microdot.

Angle Probe (Longitudinal Wave)

There are two series of Longitudinal Angle probes for selection:



Narrow Frequency Bandwidth Series

General purpose, recommended for the majority of applications

Medium Bandwidth — typical -6dB bandwidth range from 20%~30%

Mid Frequency Bandwidth Series

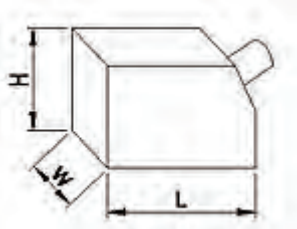
Medium Pulse, Medium Damping — best combination of gain and resolution

Medium Bandwidth — typical -6dB bandwidth range from 30%~50%

Ordering Information:

LFP2-1010-70L

Series Code — L
Frequency — FP
Crystal dimension 10×10 — 10
Connector Type — 70
Angle — L



Series Code	Crystal Size (mm)	L	W	H
LFP/LFN	6×6	24.5	12.5	18
	8×9/10×10	28.5	14.8	24
	14×14/14×16	40.2	20.5	31
	20×20/20×22	52	26.5	39

Narrow Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
LFN	2/2.25	8×9, 10×10, 14×14, 14×16, 20×20, 20×22	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	2.5/4/5	6×6, 8×9, 10×10, 14×14, 14×16, 20×20, 20×22		

Mid Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
LFP	2/2.25	8×9, 10×10, 14×14, 14×16, 20×20, 20×22	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	2.5/4/5	6×6, 8×9, 10×10, 14×14, 14×16, 20×20, 20×22		

*LEMO 01 is only available for crystal size 20×20mm and 20×22mm.

*Probes with crystal size 6×6mm are only compatible with LEMO 00 and Microdot.

Thickness Gauge Probe

Ordering Information:



High Temperature Probe (Up to 200 °C)



Twin Crystal Probe



Delay Line Probe

TG2-12L

Series Code

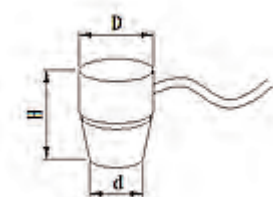
Frequency

Connector Type

Crystal dimension $\Phi 12$

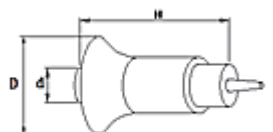
Application:

Mainly used for measuring work piece thickness.



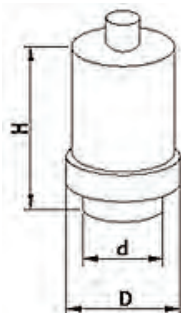
Twin crystal (H for High temperature)

Series Code	Crystal Size (mm)	D	d	H
TG	$\Phi 6$	$\Phi 14.5$	$\Phi 9.5$	27.5
	$\Phi 8/\Phi 10$	$\Phi 18$	$\Phi 11.5$	27.5
	$\Phi 12$	$\Phi 22.8$	$\Phi 16.3$	26.5



Series Code	Crystal Size (mm)	D	d	H
TG	$\Phi 10(H)$	$\Phi 42$	$\Phi 11.7$	67

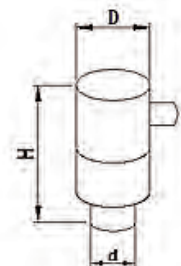
Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
TG	2	$\Phi 12$	L: LEMO 00/ MD: Microdot
	5	$\Phi 6, \Phi 8, \Phi 10$	
		$\Phi 10 (H)$	
	7.5	$\Phi 6$	



Single crystal (N for normal probe, which also be used for flaw detectors)

Series Code	Crystal Size (mm)	D	d	H
TGM	$\Phi 20(N)$	$\Phi 28$	$\Phi 26$	45

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
TGM	1/ 2.5	$\Phi 20(N)$	Blank: BNC/ L: LEMO 00/ MD: Microdot



Single crystal (D for delay line probe, wide frequency series)

Series Code	Crystal Size (mm)	D	d	H
TGM	$\Phi 3(D)$	$\Phi 12$	$\Phi 4$	26
	$\Phi 6(D)$	$\Phi 14.5$	$\Phi 8$	28.8

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
TGM	5	$\Phi 6(D)$	L: LEMO 00/ MD: Microdot
	7.5/10	$\Phi 3(D)$	MD: Microdot
		$\Phi 6(D)$	L: LEMO 00/ MD: Microdot

*All twin crystal TG probes are with cable.

Angle Probe With Replaceable Wedge

There are two Frequency types for selection:

Mid Frequency Bandwidth Series

General purpose, recommended for most applications

Medium Pulse & Medium Damping — perfect combination of gain and resolution

Medium Bandwidth — typical -6dB bandwidth range from 30%~50%

Wide Frequency Bandwidth Series

Gain is usually higher than Mid Freq Series

Wide Bandwidth — typical -6dB bandwidth range from 60%~120%



Snail Wedge

Ordering Information:

ADP2-1616-70L

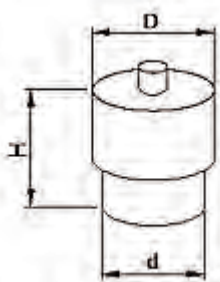
Series Code

Frequency

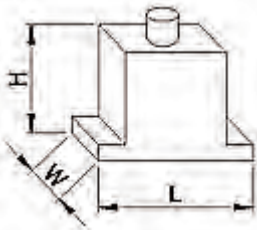
Crystal dimension 16×16

Connector Type

Angle



Series Code	Crystal Size (mm)	D	d	H
ADP/LDP/ADM/LDM	Φ 3/Φ 6	Φ 11	Φ 9	25
	Φ 10	Φ 17	Φ 14.5	23
	Φ 13/Φ 14	Φ 19	Φ 16.8	24



Series Code	Crystal Size (mm)	L	W	H
ADP/LDP/ADM/LDM	13×25	47	19	30
	16×16/16×19	47	25	30
	Φ 20	47	25	30

Mid Frequency Bandwidth Series (Transverse Wave ADP and Longitudinal Wave LDP)

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
ADP LDP	2/2.25	13×25, 16×16, 16×19, Φ 10, Φ 13	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
	2.5/4/5	13×25, 16×16, 16×19, Φ 6, Φ 10, Φ 13		
	7.5/10	Φ 6		

Wide Frequency Bandwidth Series (Transverse Wave ADM and Longitudinal Wave LDM)

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
ADM LDM	2/2.25	13×25, 16×16, 16×19, Φ 10, Φ 13, Φ 14	45,60,70	Blank: BNC/ L: LEMO 00/ MD: Microdot
	2.5/4/5	13×25, 16×16, 16×19, Φ 6, Φ 10, Φ 13, Φ 14		
	7.5/10	Φ 3, Φ 6		

*Crystal size unit inch is also available: 1/4", 3/8", 1/2".

*Probes with crystal size 6mm are only compatible with LEMO 00 and Microdot.

*Probes with crystal size 3mm are only compatible with Microdot.

Dual-Element Angle Probe



Application:

Mainly used for testing defects tilted against the test surface or perpendicular to the test surface

For TRANSVERSE WAVE type:

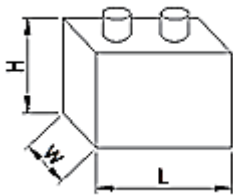
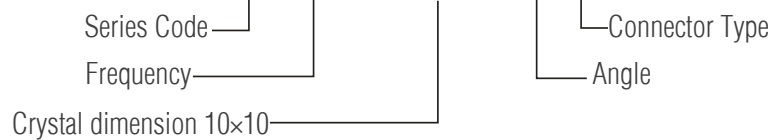
Mainly used for testing small near-surface defects, thin wall pipe and ring-type work piece.

For LONGITUDINAL WAVE type:

Mainly used for macro-crystal welding inspection, attenuating material and Austenitic welding. For 70 degree angle, it can be applied for creeping wave.

Ordering Information:

TRT2-1010-70L



Series Code	Crystal Size (mm)	L	W	H
TRT/TRTM/TRL/TRLM	7×10	29	15	25
	10×10	29	17	25
	20×20	37	27	28

TRANSVERSE WAVE angle probes option:

Narrow Frequency Bandwidth Series TRT

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
TRT	2/4	7×10, 10×10, 20×20	45,60,70	L: LEMO 00

Wide Frequency Bandwidth Series TRTM

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
TRTM	2/4	10×10, 20×20	45,60,70	L: LEMO 00

LONGITUDINAL WAVE angle probe option:

Narrow Frequency Bandwidth Series TRL

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
TRL	2/4	7×10, 10×10, 20×20	45,60,70	L: LEMO 00/MD: Microdot

Wide Frequency Bandwidth Series TRLM

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
TRLM	2/4	10×10, 20×20	45,60,70	L: LEMO 00 MD: Microdot

* All crystal sizes is for twin-element crystals.

Dual-element Normal Probe



Application:

Mainly used for testing defects parallel to or slightly tilted against the test surface (e.g. steel plate);
Much more appropriate for detecting near surface flaws than normal probes.

Ordering Information:

TR2.5-14-30L

Series Code

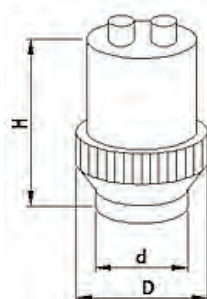
Frequency

Crystal dimension $\Phi 14$

Connector Type

Focal Length

* Side connector is available.
(Please specify when order)



Series Code	Crystal Size (mm)	D	d	H
TR/TRM	$\Phi 10/7 \times 10$	$\Phi 28$	$\Phi 14.5$	40
	$\Phi 14/10 \times 10$	$\Phi 28$	$\Phi 19.6$	36.5
	$\Phi 20/14 \times 18/12 \times 20$	$\Phi 31$	$\Phi 25.5$	40.5
	$\Phi 24/20 \times 20$	$\Phi 35$	$\Phi 29$	47

* TR probes with membrane is also available.

Narrow Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
TR	2/2.25/2.5	$\Phi 10$	None, 10	L: LEMO 00 MD: Microdot
		$\Phi 14, \Phi 20, \Phi 24$	None, 10, 20, 30	
		$14 \times 18, 12 \times 20, 10 \times 10, 20 \times 20$	None, 10, 20	
	4/5	$\Phi 10$	None, 10, 20	
		$\Phi 14, \Phi 20, \Phi 24$	None, 10, 20, 30	
		7×10	None, 10, 15	

Wide Frequency Bandwidth Series

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
TRM	2/2.25/2.5	$\Phi 10$	None, 10	L: LEMO 00 MD: Microdot
		$\Phi 14, \Phi 20, \Phi 24$	None, 10, 20, 30	
		$14 \times 18, 12 \times 20$	None, 10, 20	
	4/5	$\Phi 10$	None, 10, 20	
		$\Phi 14, \Phi 20, \Phi 24$	None, 10, 20, 30	
		$7 \times 10, 10 \times 10, 20 \times 20$	None, 10, 15	

* All crystal sizes is for twin-element crystals.

Immersion Probe

There are two series of Immersion probes for selection:



Application:

Mainly used in situations where the work piece and the probe do not contact directly. It is suitable for testing work piece with rough surface and automatic testing required to increase scanning speed and shorten testing time.

Mid Frequency Bandwidth Series

General purpose, recommended for the majority of applications

Medium Bandwidth — typical -6dB bandwidth range from 30%~50%

Wide Frequency Bandwidth Series

High signal-to-noise in composite materials

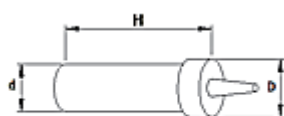
Short Pulse, Higher resolution than Narrow Frequency series

Wide Bandwidth — typical -6dB bandwidth range 60%~120%

Ordering Information:

ICP4-10-20L

Series Code — Frequency — Crystal dimension $\Phi 10$ — Connector Type — Focal Length



Series Code	Crystal Size (mm)	D	d	H
INP/ICP/ISP/INM/ICM/ISM	$\Phi 6$	$\Phi 12$	$\Phi 9$	40
	$\Phi 10$	$\Phi 16$	$\Phi 13$	46
	$\Phi 13/\Phi 14$	$\Phi 20$	$\Phi 17$	52
	$\Phi 19/\Phi 20$	$\Phi 26$	$\Phi 23$	58
	$\Phi 24/\Phi 25$	$\Phi 31$	$\Phi 28$	64

Mid Frequency Bandwidth Series

Immersion Probe without Focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
INP	2/2.25/4/5	$\Phi 6, \Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	None	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot

Immersion Probe with Line Focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
ICP	2/2.25/2.5	$\Phi 6$	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	10,20,30	
	4/5	$\Phi 6$	10,20	
		$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	10,20,30	

Immersion Probe with Point Focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
ISP	2/2.25/2.5	$\Phi 6$	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	10,20,30	
	4/5	$\Phi 6$	10,20	
		$\Phi 10, \Phi 13, \Phi 14, \Phi 19, \Phi 20, \Phi 24, \Phi 25$	10,20,30	

Wide Frequency Bandwidth Series

Immersion Probe without focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
INM	2/2.25/4/5	Φ 6, Φ 10, Φ 13, Φ 14, Φ 19, Φ 20, Φ 24, Φ 25	None	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot

Immersion Probe with Line Focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
ICM	2/2.25/2.5	Φ 6	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		Φ 10, Φ 13, Φ 14, Φ 19, Φ 20, Φ 24, Φ 25	10,20,30	
	4/5	Φ 6	10,20	
		Φ 10, Φ 13, Φ 14, Φ 19, Φ 20, Φ 24, Φ 25	10,20,30	

Immersion Probe with Point Focusing

Series Code	Frequency (MHz)	Crystal Size (mm)	Focal Length (mm)	Connector Type
ISM	2/2.25/2.5	Φ 6	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		Φ 10, Φ 13, Φ 14, Φ 19, Φ 20, Φ 24, Φ 25	10,20,30	
	4/5	Φ 6	10,20	
		Φ 10, Φ 13, Φ 14, Φ 19, Φ 20, Φ 24, Φ 25	10,20,30	

Usage Note: The probe should not be submerged for use over 8 hours. Then keep the probe in dry air for at least 16 hours (in non-operated state) until it is naturally dry before re-use. If the operating time is shortened, the placement period for natural dry can be decreased properly, so as to ensure the normal life of the probe.

Variable-angle Probe

Application:

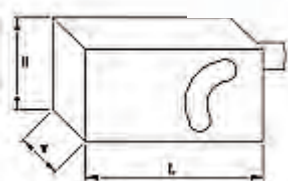
The reflection angle can be adjusted to meet different requirements.

Ordering Information:

AV2.5-1016L

Series Code
Frequency

Connector Type
Crystal dimension 10×6



Series Code	Crystal Size (mm)	L	W	H
AV	10×8	60	29	37.5
	10×16	75	33	42

Series Code	Frequency (MHz)	Crystal Size (mm)	Angle	Connector Type
AV	2.5/5	10×8, 10×16	45,60,70	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot

Surface Wave Probe



Ordering Information:

AS2.5-66L

Series Code

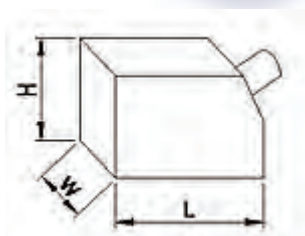
Frequency

Connector Type

Crystal dimension 6×6

Application:

Mainly used for surface defect testing and also for surface crack depth testing.



Series Code	Crystal Size (mm)	L	W	H
AS	6×6	24.5	12.5	18
	10×10	28.5	14.8	24

Series Code	Frequency (MHz)	Crystal Size (mm)	Connector Type
AS	2.5/5	6×6, 10×10	L: LEMO 00/ MD: Microdot

Spot-Weld Probe



Ordering Information:

SW15-3L

Series Code

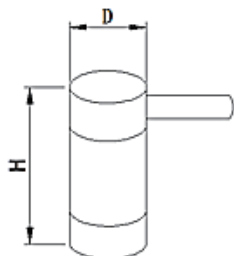
Frequency

Connector Type

Crystal dimension $\Phi 3$

Application:

Straight-beam probe with soft protective membrane, using water column as water delay coupling, so as to achieve optimal coupling between the probe and spot weld surface. Especially good for spot-weld testing on thin plates of automotive industry.



Series Code	Crystal Size (mm)	D	H
SW	$\Phi 3/\Phi 4/\Phi 5/\Phi 6/\Phi 7/\Phi 8$	$\Phi 16$	33

Series Code	Frequency (MHz)	Crystal Size(mm)	Connector Type
SW	15	$\Phi 3, \Phi 4, \Phi 5, \Phi 6, \Phi 7, \Phi 8$	L: LEMO 00/MD: Microdot

Custom Ultrasonic Probe



SIUI can provide custom ultrasonic probes according to specific requirement.

Probe Cable



SIUI provides various of probe cables to be compatible with probes.

There are different kinds of cable connectors for your selection. Such as BNC, LEMO 01, LEMO 00, Microdot, UHF etc.

Probe Test Report



Probe test reports are available as option. (EN 12668-2 compliant)

Storage Boxes



Storage boxes are available.



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Specifications and appearance are subject to change without prior notice.
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