

Immersion Probe

There are two series of Immersion probes for selection:



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

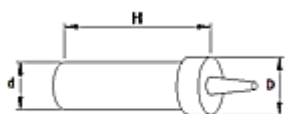
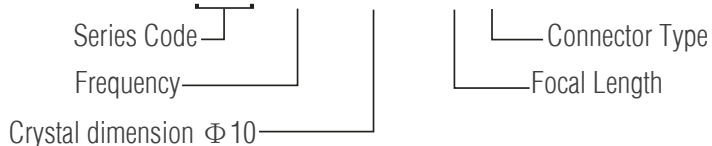
High signal-to-noise in composite materials
Short Pulse, Higher resolution than Narrow Frequency series
Wide Bandwidth — typical -6dB bandwidth range 60%~120%

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.

Ordering Information:

ICP4-10-20L



Series Code	Crystal Size (mm)	D	d	H
INP/ICP/ISP/INM/ICM/ISM	Φ6	Φ12	Φ9	40
	Φ10	Φ16	Φ13	46
	Φ13/Φ14	Φ20	Φ17	52
	Φ19/Φ20	Φ26	Φ23	58
	Φ24/Φ25	Φ31	Φ28	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	Φ6, Φ10, Φ13, Φ14, Φ19, Φ20, Φ24, Φ25	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	Φ6	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		Φ10, Φ13, Φ14, Φ19, Φ20, Φ24, Φ25	10,20,30	
	4/5	Φ6	10,20	
		Φ10, Φ13, Φ14, Φ19, Φ20, Φ24, Φ25	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	Φ6	10	Blank: BNC/ L: LEMO 00/ L1: LEMO 01/ MD: Microdot
		Φ10, Φ13, Φ14, Φ19, Φ20, Φ24, Φ25	10,20,30	
	4/5	Φ6	10,20	
		Φ10, Φ13, Φ14, Φ19, Φ20, Φ24, Φ25	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:

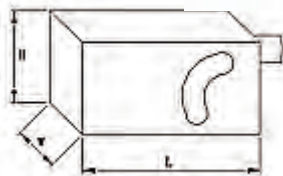
AV2.5-1016L

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