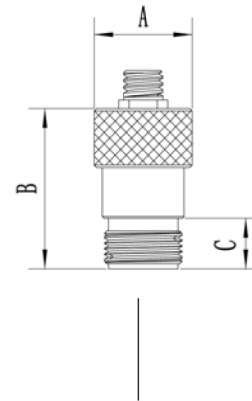


TOFD Probe

TOFD Probe and Delay Line can generate refracting longitudinal in steel, and use time of flight diffraction technique to determine the cracks.

Features

- High damping and Wide Bandwidth performance
- High efficiency for welding inspection
- Quick change structure of probe and delay line
- IHC for Irrigation, Holes, Carbides of Delay Line
- IHS for Irrigation, Holes, Stainless Structure of Delay Line

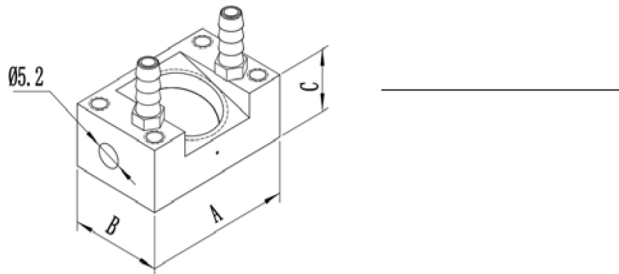


Applications

- Plate Butt Weld Inspections
- Directional irregular defects
- Near surface defects detection

Probe Specification		Probe Dimensions						Connector Direction
		A		B		C		
mm	in	mm	in	mm	in	mm	in	
3	0.125	12	0.47	18	0.71	6	0.24	Microdot Top Mounting
6	0.25							
10	0.375	15	0.59	20	0.78	6	0.24	





TF1 Delay Line Dimensions								
Models	β (°)	A		B		C		Threads
	Steel	mm	in	mm	in	mm	in	in
TF1-L45-IHC	45							
TF1-L60-IHC	60	32	1.26	21	0.83	13	0.51	3/8-32
TF1-L70-IHC	70							

TF2 Delay Line Dimensions								
Models	β (°)	A		B		C		Threads
	Steel	mm	in	mm	in	mm	in	in
TF2-L45-IHC	45							
TF2-L60-IHC	60	32	1.26	28	1.1	18	0.71	11/16-24
TF2-L70-IHC	70							

TF1 Delay Line Dimensions								
Models	β (°)	A		B		C		Threads
	Steel	mm	in	mm	in	mm	in	in
TF1-L45-IHS	45							
TF1-L60-IHS	60	32	1.26	21	0.83	13	0.51	3/8-32
TF1-L70-IHS	70							

TF2 Delay Line Dimensions								
Models	β (°)	A		B		C		Threads
	Steel	mm	in	mm	in	mm	in	in
TF2-L45-IHS	45							
TF2-L60-IHS	60	32	1.26	28	1.1	18	0.71	11/16-24
TF2-L70-IHS	70							

Probe Specification					
Frequency MHz	Diameter		Models	Threads	Delay Line Models
	mm	in		in	
2.25	6	0.25	TF2.25C6L	3/8-32	TF1
	10	0.375	TF2.25C10L	11/16-24	TF2
	12	0.5	TF2.25C12L	11/16-24	TF2
3.5	6	0.25	TF3.5C6L	3/8-32	TF1
	10	0.375	TF3.5C10L	11/16-24	TF2
5	3	0.125	TF5C3L	3/8-32	TF1
	6	0.25	TF5C6L	3/8-32	TF1
	10	0.375	TF5C10L	11/16-24	TF2
7.5	12	0.5	TF5C12L	11/16-24	TF2
	3	0.125	TF7.5C3L	3/8-32	TF1
	6	0.25	TF7.5C6L	3/8-32	TF1
10	3	0.125	TF10C3L	3/8-32	TF1
	6	0.25	TF10C6L	3/8-32	TF1
15	3	0.125	TF15C3L	3/8-32	TF1

