

## High Temperature Probe

Single crystal probe with a replaceable delay line, applied for high temperature detection environment.

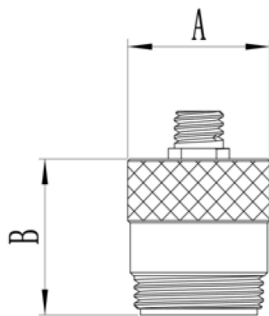
### Applications

- Intermittent contact detection with high temperature
- workpiece (Castings, Forgings etc.,)
- Direct Flaw Detection
- Detection of curved surface of workpiece

### Features

- Supply 0° (ZH Type) Longitudinal Incidence and 45°/ 60°/70° (AH Type) Shear Wave incidence Delay Lines
- Supply 13 / 25 / 38mm three ZH types standard height delay lines, and 45°/60°/70° three shear wave AH types delay lines
- Two Types of Delay Lines:  
 HT1: Maximum 20seconds on workpiece at 200°C(392°F)  
 HT2: Maximum 10seconds on workpiece at 300°C(572°F)
- Quick Change Structure of Delay Line and Probe
- Standard Lengths of ZH Type Delay Line matching with Probes:  
 Φ10mm (0.375in) crystal probe with 13mm (0.5in) delay line  
 Φ13/19mm (0.5/0.7in) crystal probe with 25mm (01.0in) delay line
- Probe face can be processed into different shapes to ensure good coupling with workpiece
- Top Mounting Microdot (L5) Connector

**Attention:** When reach maximum contact time, probe is required to cool down to room temperature to working again



Probe Dimensions					
Diameter		A		B	
mm	in	mm	in	mm	in
6	0.25	11	0.42	14	0.56
10	0.375	14	0.55	15	0.58
13	0.50	18	0.70	17	0.65
19	0.75	25	0.98	20	0.78

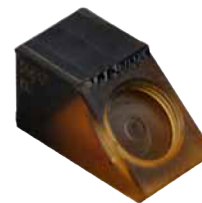
Probe Specification				
Frequency	Diameter		Models	Threads
	MHz	mm	PL	in
2.25	6	0.25	HT-2.25P6	3/8-32
2.25	10	0.375	HT-2.25P10	1/2-28
2.25	13	0.50	HT-2.25P13	5/8-24
2.25	19	0.75	HT-2.25P19	7/8-20
5	6	0.25	HT-5P6	3/8-32
5	10	0.375	HT-5P10	1/2-28
5	13	0.50	HT-5P13	5/8-24
5	19	0.75	HT-5P19	7/8-20



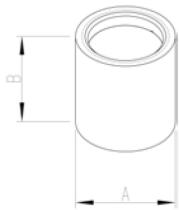
HT2



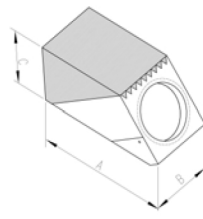
HT1



HT1



ZH Type



AH Type

ZH Type Delay Line Dimensions							
Models	A		B		Threads	Probe Specification	
	mm	in	mm	in	in	mm	in
HT1-Φ10-13	15	0.60	13	0.50	1/2-28	10	0.375
HT1-Φ10-25	15	0.60	25	1.00	1/2-28		
HT1-Φ10-38	15	0.60	38	1.50	1/2-28	13	0.5
HT1-Φ13-13	18	0.70	13	0.50	5/8-24		
HT1-Φ13-25	18	0.70	25	1.00	5/8-24	19	0.75
HT1-Φ13-38	18	0.70	38	1.50	5/8-24		
HT1-Φ19-13	24	0.95	13	0.50	7/8-20	19	0.75
HT1-Φ19-25	24	0.95	25	1.00	7/8-20		
HT1-Φ19-38	24	0.95	38	1.50	7/8-20	10	0.375
HT2-Φ10-13	15	0.60	13	0.50	1/2-28		
HT2-Φ10-25	15	0.60	25	1.00	1/2-28	13	0.5
HT2-Φ10-38	15	0.60	38	1.50	1/2-28		
HT2-Φ13-13	18	0.70	13	0.50	5/8-24	19	0.75
HT2-Φ13-25	18	0.70	25	1.00	5/8-24		
HT2-Φ13-38	18	0.70	38	1.50	5/8-24	19	0.75
HT2-Φ19-13	24	0.95	13	0.50	7/8-20		
HT2-Φ19-25	24	0.95	25	1.00	7/8-20	19	0.75
HT2-Φ19-38	24	0.95	38	1.50	7/8-20		

6mm (0.25in) AH Type Delay Line Dimensions									
Models	A		B		C		Threads	Probe Specification	
	mm	in	mm	in	mm	in	in	mm	in
HT1-Φ6-45°	11.4	0.45	19.1	0.75	9.4	0.37	3/8-32	6	0.25
HT1-Φ6-60°	11.4	0.45	21.3	0.84	11.2	0.44	3/8-32		
HT1-Φ6-70°	11.4	0.45	25.4	1.00	12.7	0.50	3/8-32		
HT2-Φ6-45°	11.4	0.45	19.1	0.75	9.4	0.37	3/8-32		
HT2-Φ6-60°	11.4	0.45	21.3	0.84	11.2	0.44	3/8-32		
HT2-Φ6-70°	11.4	0.45	25.4	1.00	12.7	0.50	3/8-32		

10mm (0.375in) AH Type Delay Line Dimensions									
Models	A		B		C		Threads	Probe Specification	
	mm	in	mm	in	mm	in	in	mm	in
HT1-Φ10-45°	14	0.55	22.6	0.89	11.9	0.47	1/2-28	10	0.375
HT1-Φ10-60°	14	0.55	26.4	1.04	14	0.55	1/2-28		
HT1-Φ10-70°	14	0.55	30.2	1.19	14.7	0.58	1/2-28		
HT2-Φ10-45°	14	0.55	22.6	0.89	11.9	0.47	1/2-28		
HT2-Φ10-60°	14	0.55	26.4	1.04	14	0.55	1/2-28		
HT2-Φ10-70°	14	0.55	30.2	1.19	14.7	0.58	1/2-28		

13mm (0.5in) AH Type Delay Line Dimensions									
Models	A		B		C		Threads	Probe Specification	
	mm	in	mm	in	mm	in	in	mm	in
HT1-Φ13-45°	17.8	0.70	26.7	1.05	14	0.55	5/8-24	13	0.5
HT1-Φ13-60°	17.8	0.70	31.5	1.24	16.3	0.64	5/8-24		
HT1-Φ13-70°	17.8	0.70	35.8	1.41	17.3	0.68	5/8-24		
HT2-Φ13-45°	17.8	0.70	26.7	1.05	14	0.55	5/8-24		
HT2-Φ13-60°	17.8	0.70	31.5	1.24	16.3	0.64	5/8-24		
HT2-Φ13-70°	17.8	0.70	35.8	1.41	17.3	0.68	5/8-24		