

Optional Transducers



Transducer	Feature	Testing range	Contacting diameter	Frequency	Tested surface temperature
DK537EE	Standard E-E	2.0~38.0mm(steel)	10mm	5MHz	-10℃~+60℃
5P Φ10	straight	1.2~225.0mm(steel)	10mm	5MHz	-10℃~+60℃
5P Φ10/90°	angle	1.2~225.0mm(steel)	10mm	5MHz	-10℃~+60℃
7P Φ6	Small diameter	0.75~60mm Φ15×2.0mm(steel)	6mm	7MHz	-10℃~+60℃
DHT537	High-temperature	1.0~508.0mm(steel)	10mm	5MHz	-20℃~+500℃
ZW5P	High-temperature	5.0~80.0mm(steel)	12mm	5MHz	-10℃~+300℃
TSTU32	High penetration	5.0~40.0mm(cast iron)	22mm	2MHz	-10℃~+60℃

Guideline to standard velocity in materials

Metals (m/s)							
Aluminum	6320	Gold	3240	Nickel	5630	Tin	3230
Brass	4640	Inconel	5720	Platinum	3960	Titanium	6070
Cast iron	4500	Iron	5900	Silver	3600	Tungsten carbon	5650
Copper	4700	Lead	2200	Steel,mild	5900	Tungsten	5400
Cadmium	2800	Manganese	4700	Steel,low carbon	5850	Zina	4170
Chromium	6200	Magnesium	6310	Steel,stainless	5790	Zirconium	4650

Non-metals (m/s)							
Acrylic Resin	2730	Ice	3980	Polyamide	2380	Rubber(butyl)	1900
Aluminum	8700	Neoprene	1600	Polyethylene	1900	Rubber(soft)	1450
Ceramic	5631	Nylon	2620	Polyurethane	1900	Rubber(vuic.)	2300
Diamond	17500	Paraffin	2200	Polystyrene	2400	Silicone rubber	948
Epoxy resin	2650	Perspex	2850	Porcelain	5600	Teflon	1350
Glass	5440	Plexi glass	2700	PVC	2400	Water(20℃)	1480