

Crawler for Small Pipe Welds

Low-profile Phased Array Probe

Probe Model	Frequency	Elements No.	Pitch	Elevation	Elevation Curvature Radius	Corresponding Wedge
	MHz		mm	mm	mm	
5.0SL16-0.5-10-R35E	5	16	0.5	10	35	8R(35)60S4-I-AOD-XX
7.5SL16-0.5-10-R35E	7.5	16	0.5	10	35	8R(35)60S4-I-AOD-XX
10.0SL16-0.5-10-R35E	10	16	0.5	10	35	8R(35)60S4-I-AOD-XX

Phased Array Wedge

Wedge Model	Description	L	W	H	AOD		Pipe Min. OD		Pipe Min. OD	
		mm	mm	mm	in.	mm	in.	mm	In.	mm
8R(35)60S4-I-AOD-140	35° -70° shear wave angle block	18	22	12.4	5.709	145	3.858	98	5.591	142
8R(35)60S4-I-AOD-195				12.2	8.071	205	5.433	138	7.756	197
8R(35)60S4-I-AOD-250				12.1	10.236	260	7.598	193	9.921	252
8R(35)60S4-I-AOD-270				12.1	11.221	285	9.764	248	10.906	277
8R(35)60S4-I-AOD-300				12.1	12.205	310	10.748	273	11.890	302
8R(35)60S4-I-AOD-300				12.1	12.205	310	10.748	273	11.890	302

● Note: SIUI low-profile probes and wedges are compatible with Cobra from Olympus and Circ-it from Jireh.

Technical Specification

Basic Parameters		
	LPS-07	LPS-08
Dimension	Height: 15mm Width: 68mm Max. Length (Suitable for 300mm pipe):946.9mm	Height: 15mm Min. Width(Wedge Front Distance:0mm): 136mm Max. Width (Wedge Front Distance:55mm): 191mm Max. Length (Suitable for 114.3mm pipe): 946.9mm Distance between two wedges front: 0-55mm
Weight	0.7kg	1.3kg
Packing Dimension(W×H×D)	440×340×190(mm)	
Scan Method	Manual, single axis scanning	
Encoder Precision	27.2 step/mm	
Encoder IP Code	IP68	
Suitable Tested Work Piece (Pipe)	OD: 100-300mm(3.94-11.81 inch), pipe min. clearance: 15mm	
Working Temperature	0°C~+40°C	
Working Relative Humidity	30%~85%	
Working Atmospheric Pressure	700hPa~1060hPa	



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