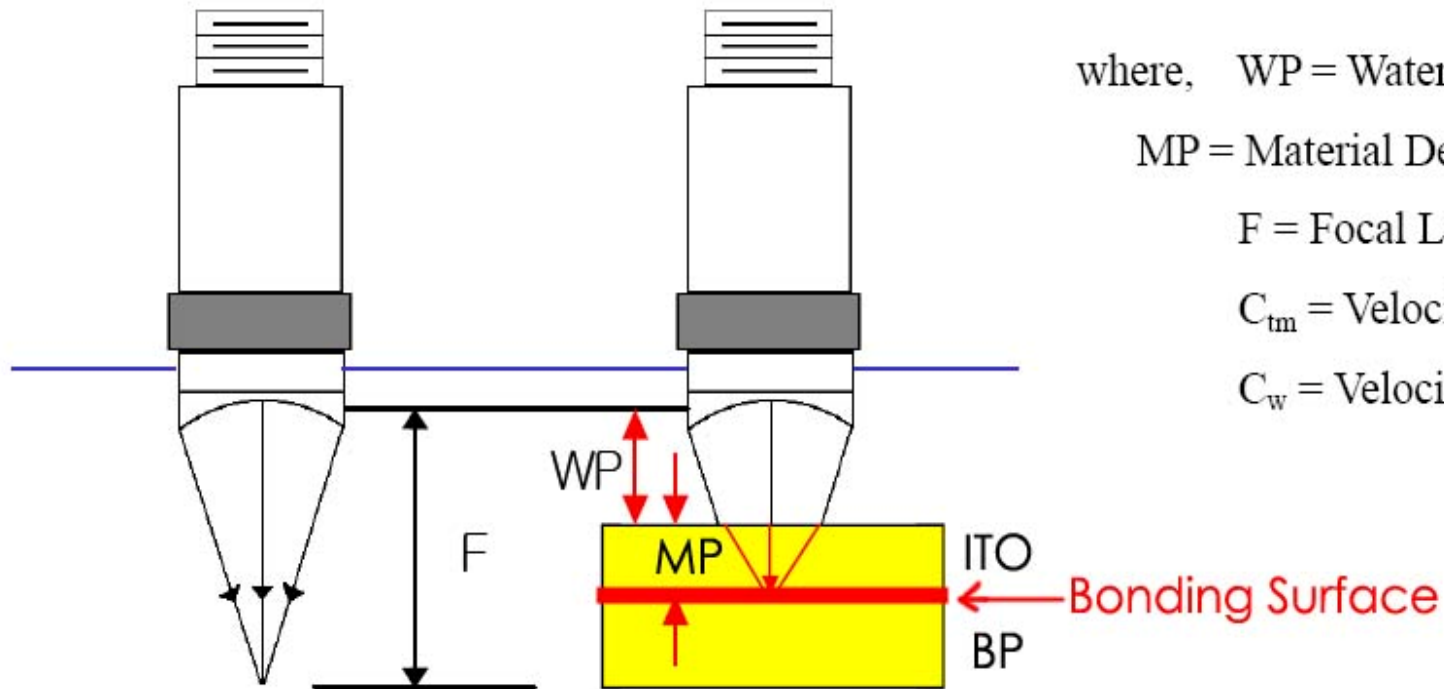


Water Path Distance Reference (theory)



where, WP = Water Path

MP = Material Depth (ITO Thickness)

F = Focal Length in Water

C_{tm} = Velocity in the Material

C_w = Velocity in the Water

Focal Point
In Water

Focal Point
In Test Part

$$WP = F - MP \left(\frac{C_{tm}}{C_w} \right)$$

C_w (m/s)
1480

C_{tm} (m/s)
6500

4.391891892

	Sensor 5MHz, F5"	Sensor 10MHz, F3"	Sensor 15MHz, F2"
MP(ITO Thickness)mm	WP(mm)	WP(mm)	WP(mm)
3	114	63	38
4	109	59	33
5	105	54	29
6	101	50	24
7	96	45	20
8	92	41	16
9	87	37	11
10	83	32	7
11	79	28	2
12	74	23	-2
13	70	19	-6
14	66	15	-11
15	61	10	-15
16	57	6	-19
17	52	2	-24
18	48	-3	-28
19	44	-7	-33
20	39	-12	-37
21	35	-16	-41
22	30	-20	-46
23	26	-25	-50
24	22	-29	-55
25	17	-34	-59