

Actual Read Distance Measurements

The following are actual read distances of our different stock RFID tags, readers and some custom designs. These were measured in open air. Depending on your environment, your results may vary.

		READERS						
		WMROLR	WMROMR2	WMROMR3	HHRO1USB	TRRO1WM	TRRO1OEM	DemoKit-1
<i>Reader Antenna Size</i>		46 (18)	18 (7)	10 (4)	9 x 6 (3.75x2.25)	6 x 6 (2.5x2.5)	Ant.5F33	9 (3.5)
TAGS	ABD50RW-2	32 (12.5)	24 (9.25)	18 (7)	8 (3)	13 (5.25)	na	18 (7)
	EPD20RO	5 (2)	11 (4.25)	9 (3.5)	2 (0.75)	7 (2.75)	2 (0.75)	10 (4)
	EPD30ROCH	18 (7.25)	17 (6.5)	11 (4.5)	4 (1.5)	9 (3.5)	3 (1.25)	13 (5)
	EPD50RO	28 (11)	21 (8.25)	15 (6)	6 (2.5)	11 (4.5)	4 (1.5)	16 (6.25)
	ETCMRO	18 (7)	16 (6.25)	11 (4.5)	4 (1.5)	9 (3.5)	3 (1.25)	13 (5)
	FOBRO	nr	11 (4.5)	8 (3)	1 (0.5)	6 (2.5)	2 (0.75)	8 (3.25)
	GLT12x2RO	nr	6 (2.5)	5 (2)	nr	4 (1.5)	2 (0.75)	6 (2.25)
	ISOROCARD	16 (6.25)	14 (5.5)	11 (4.25)	6 (2.25)	9 (3.5)	4 (1.5)	11 (4.25)
	ISORWCARD	25 (9.75)	18 (7.25)	14 (5.5)	6 (2.5)	11 (4.25)	na	15 (6)
	IT100x5FLRR	31 (12)	22 (8.75)	17 (6.5)	7 (2.75)	11 (4.5)	4 (1.5)	17 (6.5)
	IT140RO	67 (26.5)	44 (17.5)	32 (12.75)	13 (5)	24 (9.5)	8 (3.25)	34 (13.5)
	IT50x15FRO	37 (14.5)	27 (10.5)	17 (6.5)	8 (3)	13 (5.25)	na	21 (8.25)
	IT70x35RO-A	18 (7.25)	17 (6.5)	11 (4.5)	4 (1.5)	9 (3.5)	3 (1.25)	13 (5)
	IT75RO	41 (16)	28 (11)	21 (8.25)	10 (3.75)	17 (6.5)	4 (1.5)	21 (8.25)
	LTU120RO	nr	6 (2.5)	6 (2.5)	1 (.25)	4 (1.75)	2 (0.75)	6 (2.5)
	PNL35x6RO	nr	5 (2)	6 (2.25)	nr	4 (1.5)	2 (0.75)	6 (2.25)
TOTETAG	18 (7)	16 (6.25)	11 (4.5)	4 (1.5)	9 (3.5)	3 (1.25)	13 (5)	
WATCHRO	nr	9 (3.5)	8 (3.25)	1 (0.5)	6 (2.5)	2 (0.75)	11 (4.5)	

			READERS	
			TRRO1OEM-FDX	TRRO1OEM-HDX
Tag, 30mm, ISO 11784/11785			20 (7.75)	32 (12.5)

Antenna size used is 18 (7) with both readers

Measurements in cm (inches).

na = not available at time of printing.

nr = not recommended (tag antenna to reader antenna size ratio too large).