

Antenna Analyzer Version GLCD HW V1.1 , SW Version 0.27 #2 3,0 V via Supply
 7/15/2016 Bridge Testhead: 51, 24,9, 0 SW no difference, straight approach

First time load: passed
 SOL-f and SOL-all: passed
 functionality: passed

Accuracy: 1-2 % 2-10 % > 10 %

Nominal/VNWA RFID @ f target		Measured 3,5 MHz		Measured 14 MHz		Measured 28 MHz		Measured 50 MHz		Measured 100 MHz						
x	jy	delta / % x:	delta / % y:	delta / % x:	delta / % y:	delta / % x:	delta / % y:	delta / % x:	delta / % y:	delta / % x:	delta / % y:					
50 Ohm 1:1 SWR	50 0	0.0%	50.0	0.0%	50.0	0.0%	50.0	0.0%	50.0	-0.1	0.2%	49.9	0.4			
5 Ohm 10:1 SWR	5 0	0.0%	5.0	0.0%	5.0	0.1	2.0%	4.9	0.3	0.0%	5.0	0.5	0.0%	5.0	0.9	
25 Ohm 2:1 SWR	25 0	0.4%	24.9	0.3	0.4%	24.9	1.0	0.8%	24.8	2.4	0.4%	24.9	4.2	0.0%	25.0	8.2
100 Ohm 2:1 SWR	100 0	0.4%	99.6	0.4	0.3%	99.7	1.7	0.3%	99.7	3.3	0.0%	100.0	3.7	0.3%	99.7	11.8
200 Ohm 4:1 SWR	200 0	0.0%	200.0	0.6	0.0%	200.0	2.3	0.5%	199.0	5.3	-0.5%	201.0	-1.1	-0.5%	201.0	15.5
1000 Ohm 20:1 SWR	1000 0	0.3%	997.0	0.4	0.3%	997.0	-2.0	1.4%	986.0	4.7	1.2%	988.0	-90.1	-5.4%	1054.0	-7.8
1000 pF 49,9 Ohm	49.9 -45.9	-0.2%	50.0	0.0%	-45.9	na	na	na	na	na	na	na	na	na	na	na
200 pF 49,9 Ohm	49.8 -50.3	na	na	-1.2%	50.4	-1.0%	-50.8	na	na	na	na	na	na	na	na	na
120 pF 49,9 Ohm	50 -44.7	na	na	na	na	na	na	1.4%	49.3	0.7%	-44.4	na	na	na	na	na
1,6 uH 49,9 Ohm	50.1 34.7	-0.4%	50.3	0.3%	34.6	na	na	na	na	na	na	na	na	na	na	na
0,6 uH 49,9 Ohm	50.4 55.4	na	na	-1.0%	50.9	0.9%	54.9	na	na	na	na	na	na	na	na	na
0,3 uH 49,9 Ohm	50.3 49.8	na	na	na	na	-0.4%	50.0	1.8%	48.9	na	na	na	na	na	na	na

Technical Data:

Range MHz 0.1 MHz - 100 MHz, 1 kHz (1 Hz) steps
 SWR Range 1:1 to 100:1
 Z range 0 - 1000 Ohm
 X range 0 - 1000 Ohm
 sign of X yes
 AA Bat 2 x 1.2/1.5 Volts
 External Power no
 Socket SMA/BNC
 Output Power square wave 0.5 Veff, 7dBm , full range 100 KHz to 100 MHz
 Power requirements at 3.0 V average 49 mA, peak 110 mA; at 100 MHz with 50 Ohm load, backlight off
 Size 175 mm x 95 mm x 35 mm
 Weight 270 gramm incl. 2 x 1.2 V NMHI