

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:	
Measurement (after SOL f):																					
50 Ohm 1:1 SWR	50	0	0.0%	50.0	0.0	0.0%	50.0	0.0	0.0%	50.0	0.0	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	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	na	-1.2%	50.4	-1.0%	-50.8	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	na	-1.0%	50.9	0.9%	54.9	na	na	na	na	na	na	na	na				
0,3 uH 49,9 Ohm	50.3	49.8	na	na	na	na	na	na	-0.4%	50.0	1.8%	48.9	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