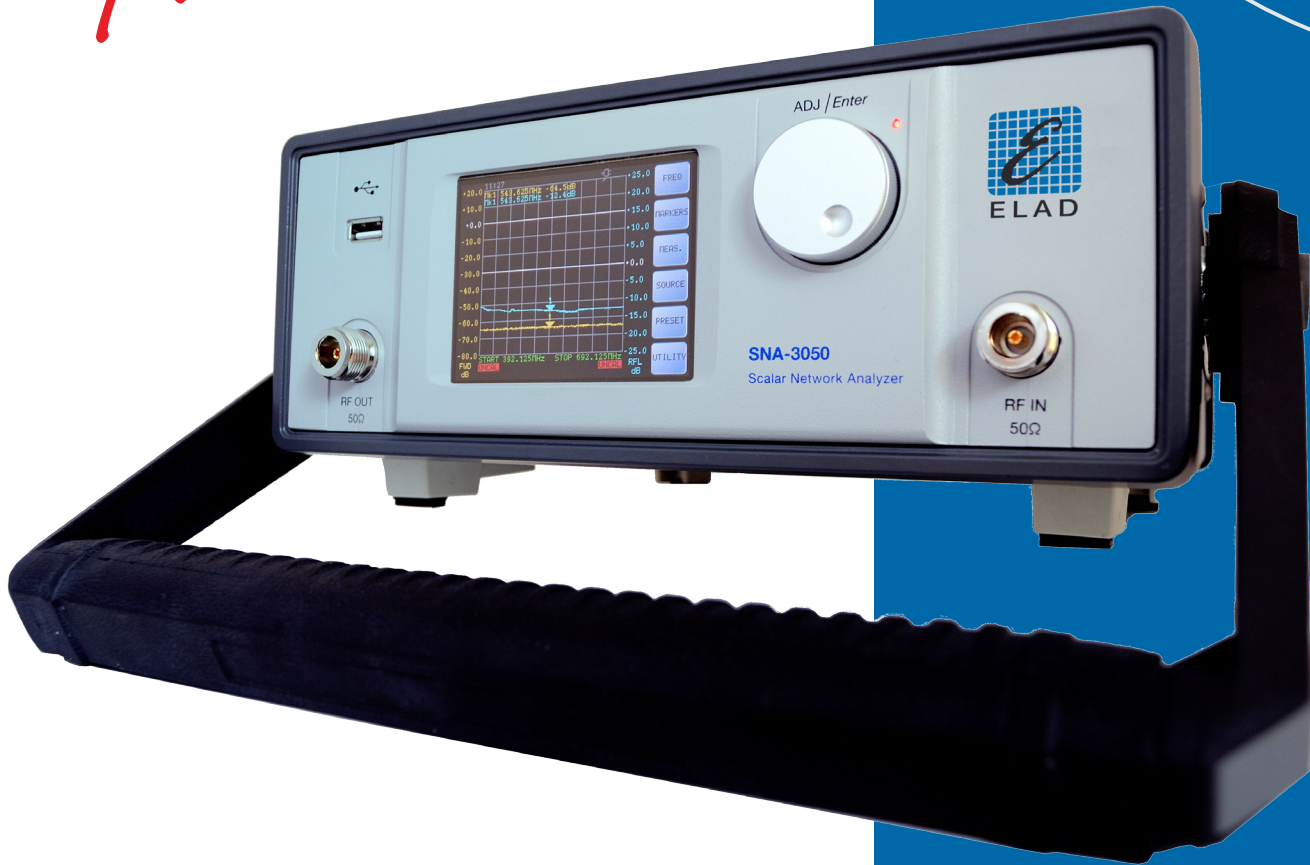


*New!*

RF Line



- Stand alone mode with 3,5" touch screen display
- Improved directivity and harmonics
- Faster visualization
- Stronger housing
- LAN interface

## SNA3050

400 kHz ÷ 2.5 GHz  
Scalar Network Analyzer

# Main characteristics

Fully functional 3,5" 320 x 240 high resolution TOUCH SCREEN display



USB port to save an load preset or to save reports

Select & push wheel for better display navigation



RF OUT port (N female)

RF IN port (N female)

LAN port for PC software control

10 MHz input for external reference synchronization



(rear view)

# Technical Specifications

Description	Value
Available Measurements	Transmission Response, Reflection Response
Frequency Range	0,4 ÷ 2.500 MHz nominal (0,1 MHz ÷ 2.600 MHz over-range)
Source Frequency Resolution	< 1 Hz (measured on 801 points in low speed mode or 201 points in high speed mode)
Source Frequency Accuracy	± 5 ppm (+/- 0,0005 %) @ 25 °C ± 10 ppm (+/- 0,001 %) over the entire operating temperature range
Source Frequency Stability	± 10 ppm (+/- 0,001 %) over the entire operating temperature range
Source Level Range	+5 ÷ -26 dBm
Source Level Resolution	1 dB
Source Level Accuracy	± 1,5 dB
Source Harmonics	Frequency ≥ 5 MHz: > 32 dBm (40 dBm typical)
Absolute Max. Input Power @ 0 dB Attenuation	+20 dBm
Absolute Max. Input Power @ ≥ 7 dB Attenuation	+27 dBm
Absolute Max. Input Power with Ext. Detector D04	+27 dBm
Absolute Max. Input Power with Ext. Detector P04	+40 dBm
Absolute Max. DC Input	Internal Detector: 0 V DC External Detector D04: 16 V DC
Maximum Signal Measure Level	+5 dBm @ 0 dB attenuation +27 dBm @ ≥ 22 dB attenuation
Measure Precision (After calibration)	± 1.5 dB ± 3 dB for measurements with frequency conversion
Dynamic Range	Internal Detector (0,4 ÷ 2.500 MHz): 60 dB (65 dB typical)
Directivity Dynamic Range	33 dB from 0,4 to 100 MHz (40 dB, SWR 1,02 typical) 28 dB from 100 to 450 MHz (32 dB, SWR 1,05 typical) 23 dB from 450 to 2000 MHz (25 dB, SWR 1,12 typical) 18 dB from 2000 to 2500 MHz (20 dB, SWR 1,22 typical)
SWR	Internal Detector (0,4 ÷ 2.500 MHz): < 20 dB, SWR 1,22 (26 dB, SWR 1,10 typical)
Connectors	50 Ohm, N type, female
Power Consumption	18 V, 1 A
Power Supply	18 V, 3,5 A
Temperature Range	Operating temperature range: +5 ÷ 35 °C Storage temperature range: -10 ÷ 45 °C



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