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## PeakTech® 4140 PROD-ID: P 4140

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### Digital Spectrum Analyzer 9 kHz ~ 3,0 GHz (incl. Tracking Generator)

Spectrum analyzers are used to display the amplitude distribution over a certain frequency range.

This spectrum analyzer thus makes visible the individual spectral components with the corresponding amplitudes, which is making this device indispensable for the assessment and diagnosis of modern, high-frequency electronic systems. Due to the high frequency bandwidth and dynamic, modern spectrum analyzers are superior in many measurement areas contrary to the use of oscilloscopes and therefore preferable for the application.

The high technical performance, many features and the integrated tracking generator makes this device ideal tools in industry, development, EMC diagnostic and quality assurance.

- 18 cm (7 ") TFT color display with 800 x 480 pixels
- Display of the amplitude distribution in the frequency range
- VGA output for monitoring with external displays
- Frequency range of 9 kHz to 3 GHz
- Measuring function for modulated AM / FM signals
- LAN port for remote control via network
- USB/RS232 connector to control by software
- USB host for data transfer to USB memory media
- Integrated accessories: Tracking Generator
- Accessories: power cable, interface cable, software CD, user manual



#### MANUAL

[PeakTech 4130 4135 4140 de 03 2017F.pdf](#)  
(1,228.9 kB)

[PeakTech 4130 4135 4140 eng 03 2017F.pdf](#)  
(1,199.4 kB)

#### SOFTWARE

[Windows Spectrum Analyzer Software.rar](#)  
(268,114.7 kB)

Frequency range	9 kHz ~ 3,0 GHz
Resolution	1 Hz (over full Bandwidth)
Resolution Bandwidth	10 Hz ~ 1 MHz (in 1-3-10 sequence) 200 Hz, 9 kHz, 120 kHz
Span Range	0 Hz, 100 Hz ~ 3,0 GHz
Phase noise	-80 dBc/Hz (offset 10 kHz)
Disp. Average Noise Level	1 MHz ~ 3 GHz < -120 dBm + 3x (f/1 GHz) dB (Pre. Amp. OFF), 1 MHz ~ 3 GHz < -135 dBm + 3x (f/1 GHz) dB (Pre. Amp. ON)
Amp. Measurement	DANL up to +30 dBm
Level Display	dBm, dBmV, DBµV, V, W
Trigger Source	Free, Video, External
Triggerlevel (Ext.)	5 V TTL
TRACKING GENERATOR :	
Tracking Generator Freq.	9 Hz ~ 3,0 GHz
Output Power	-20 dBm ~ 0 dBm, step 1 dB
Flatness	+/- 3 dB
GENERAL :	
Interface	USB-Host, USB Device, LAN, RS232, VGA
Operation Voltage	100 ~ 240 V AC; 50/60 Hz
Dimensions (WxHxD)	365 x 155 x 300 mm
Weight	approx. 6 kg
EAN-13	4250569403118

