ROHDE&SCHWARZ
Make ideas real

R&S®SPECTRUM RIDER FPH
versus Keysight FieldFox N993xA

The three Ps for lab and field environments

Performance – excellent DANL and phase noise
► Easy to capture weak signals
Portability – weighs only 2.5 kg
► Carrying holster (R&S®HA-Z322) for handsfree operation
► Side strap for easy transport
► Range of carrying cases available
Price – low starting price and optional software keycode upgrades
► Competitive and attractive prices
► No downtime, no recalibration

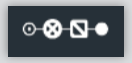
Your benefit	Features
Battery lasts twice as long as current handheld spectrum analyzers	► > 6 hours battery life
Capacitive smartphone-style touchscreen; also available with traditional interface	► 7-inch antiglare capacitive color touchscreen ► On-screen keyboard ► Smartphone-like gestures ► Adjustable display brightness ► Large backlit button keypad ► Multifunction rotary knob
Buy only what you need; upgrade later without returning analyzer for servicing	► 2/6/13.6/26.5 GHz base model ► Frequency upgrade available (keycode options) ► Many functions have keycode upgrades ► Always weighs 2.5 kg regardless of frequency ranges and options

For prices and more information, visit
www.rohde-schwarz.com/product/FPH

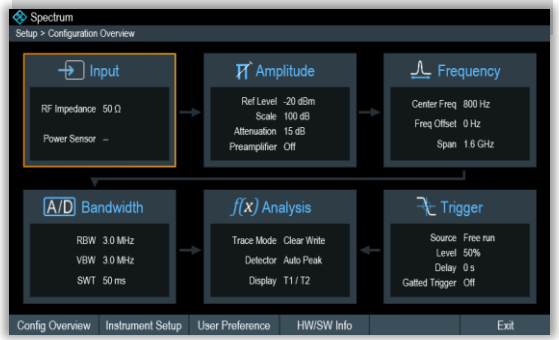
Parameter	R&S®Spectrum Rider FPH	Keysight FieldFox N993xA
Frequency Min. Max.	 5 kHz 2 (3/4)/6 (8)/13.6 (20)/26.5 (31) GHz	 100 kHz 9/14/18/26.5 GHz
Frequency upgrade	yes	no
Display size	7" capacitive touchscreen with gesture operation	6.5", no touchscreen
Battery operation hours	6 h to 8 h (depending on model)	3.5 h (typ.)
Weight	2.5 kg	3.0 kg
DANL (preamp on) 1 MHz to 20 MHz 20 MHz to 3 GHz 3 GHz to 4.5 GHz 4.5 GHz to 27 GHz	 –152 dBm (typ.) –162 dBm (typ.) –158 dBm (typ.) –155 dBm (typ.)	 –154 dBm (typ.) –154 dBm (typ.) –154 dBm (typ.) –150 to –129 dBm (typ.)
TOI < 1 GHz 1 GHz to 7.5 GHz > 7.5 GHz	 +7 dBm (meas.) +8 to +10 dBm (meas.) +8 to +10 dBm (meas.)	 +10 dBm (typ.) +15 dBm (typ.) +21 dBm (typ.)
Phase noise (f = 1 GHz) 30 kHz 100 kHz 1 MHz	 –95 dBc/Hz (typ.) –105 dBc/Hz (typ.) –125 dBc/Hz (typ.)	 –108 dBc/Hz (typ.) –104 dBc/Hz (typ.) –113 dBc/Hz (typ.)
Trace detectors	max. peak, min peak, auto peak, sample, RMS	normal, positive peak, negative peak, sample, RMS
EMI precompliance	CISPR bandwidths and quasi-peak detector	n.a.
Price up to 8/9 GHz up to 14 GHz up to 18/20 GHz up to 26.5 GHz	 (R&S®FPH.06 + R&S®FPH-B8) USD 10,255 (R&S®FPH.13) USD 13,640 (R&S®FPH.13 + R&S®FPH-B20) USD 17,645 (R&S®FPH.26) USD 23,080	 (N9935A) USD 17,261 (N9936A) USD 20,833 (N9937A) USD 24,998 (N9938A) USD 29,166

Configuration overview menu for easy setup

R&S®Spectrum Rider FPH



Tapping the icon quickly opens the configuration overview menu to access various settings – no need for multiple steps.

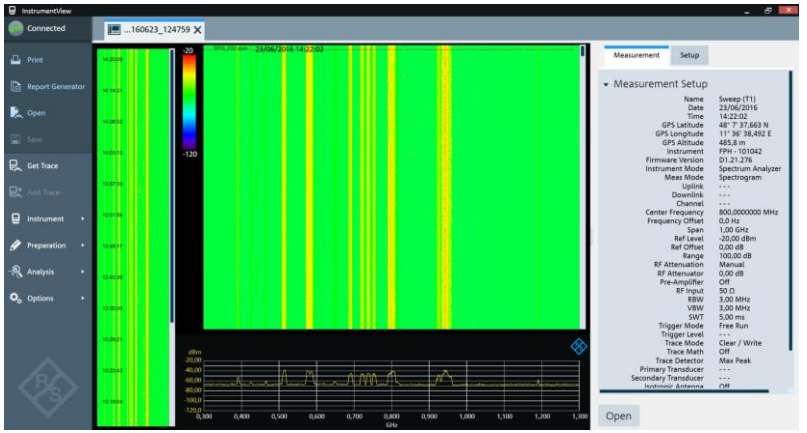


FieldFox N993xA

Multiple keypresses needed to enter measurement settings.

Long-time spectrogram recording

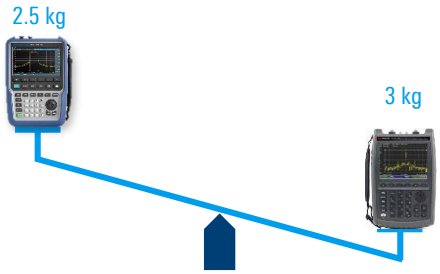
R&S®Spectrum Rider FPH



The R&S®Spectrum Rider FPH can record 999 hours for monitoring on-air signal activity.

Lightweight and longer battery life

The R&S®Spectrum Rider FPH is 16 % lighter than the FieldFox N993xA



All R&S®Spectrum Rider FPH units weigh just 2.5 kg – regardless of the frequency range.

Twice the battery life

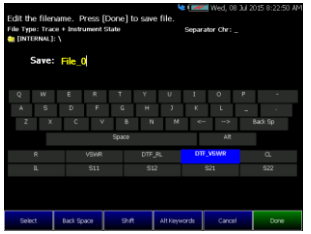
The R&S®Spectrum Rider FPH can operate for a full working day without recharging.

Fast and efficient to use

R&S®Spectrum Rider FPH

Easily capture screenshots with just one keypress (the FieldFox N993xA requires five steps).

FieldFox N993xA



1. Press **SAVE/RECALL** key
2. Select ***File Type*** screen menu
   Picture (PNG)
3. Select ***Save*** menu
4. Assign ***File Name***
5. Press ***Done***

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