R&S®Spectrum Rider Spectrum Analyzer
Small form factor to handle large tasks

The perfect choice for
- Interference hunting
- EMI debugging/RF design validation
- Spectrum monitoring
- Training

The perfect analysis tool for lab and field environments
- Illuminated keypad for dim environments
- Large buttons for easy operation with gloves
- Lightest handheld spectrum analyzer on the market at 5.5 lbs (30 % lighter than competitor models)
- 8 hours of battery life (almost twice as long as competitor models)
- Dust and drip water protected (IP51)
- User-friendly configuration overview menu

Key specifications

<table>
<thead>
<tr>
<th>Frequency</th>
<th>5 kHz to 2/3/4 GHz</th>
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<tbody>
<tr>
<td>Resolution bandwidths</td>
<td>1 Hz to 3 MHz</td>
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<tr>
<td>DANL @ 3 GHz (preamp on)</td>
<td>&lt; –163 dBm</td>
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<tr>
<td>Phase noise, 100 kHz offset</td>
<td>105 dBc/Hz</td>
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<tr>
<td>Battery operation time</td>
<td>up to 8 hours</td>
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<tr>
<td>Weight</td>
<td>2.5 kg</td>
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Your benefit
- Battery life twice that of today’s handheld spectrum analyzers

Features
- Up to 8 hours battery life
- Smartphone style capacitive touchscreen; also available with traditional interface
- 7.5 inch antiglare capacitive color touchscreen
- On-screen keyboard
- Smartphone-like gestures
- Adjustable display brightness
- Backlit large button keypad
- Multifunction rotary knob
- Buy only what you need; upgrade later without returning analyzer for servicing
- 2 GHz base model
- 3 GHz and 4 GHz keycode options
- Preamplifier keycode options
- Channel power meter keycode option

For more information, visit www.rohde-schwarz.com/catalog/FPH

R&S®FPH
Test & Measurement
Fact Sheet
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This instrument features an innovative fanless concept – part of a ruggedized design that protects it from dust and water. In addition, the MTBF is lower than that of other instruments with a fan. Designed with power optimization in mind, the R&S®Spectrum Rider consumes less power than the competition, allowing it to operate a full 8-hour day before the battery needs recharging.

Options are available to support the different measurements you need. All options can be easily added via keycodes without sending the instrument back to the service center. Calibration and alignment are also not required. Adding options to R&S®Spectrum Rider is a simple, time-saving and cost-saving approach.

Future-friendly, extendable frequency range
Unlike spectrum analyzers with fixed frequency ranges, the R&S®Spectrum Rider’s range can be upgraded if needed – up to 4 GHz. There’s no need to use or carry additional instruments.

Other products to consider
- The R&S®FPH supports all R&S®NRP family models up to 110 GHz
- Consider the R&S®FSH if demodulation is needed, or R&S®FPH or R&S®ZVH if distance to fault or a tracking generator is necessary.