

# Spectrum Analyzer

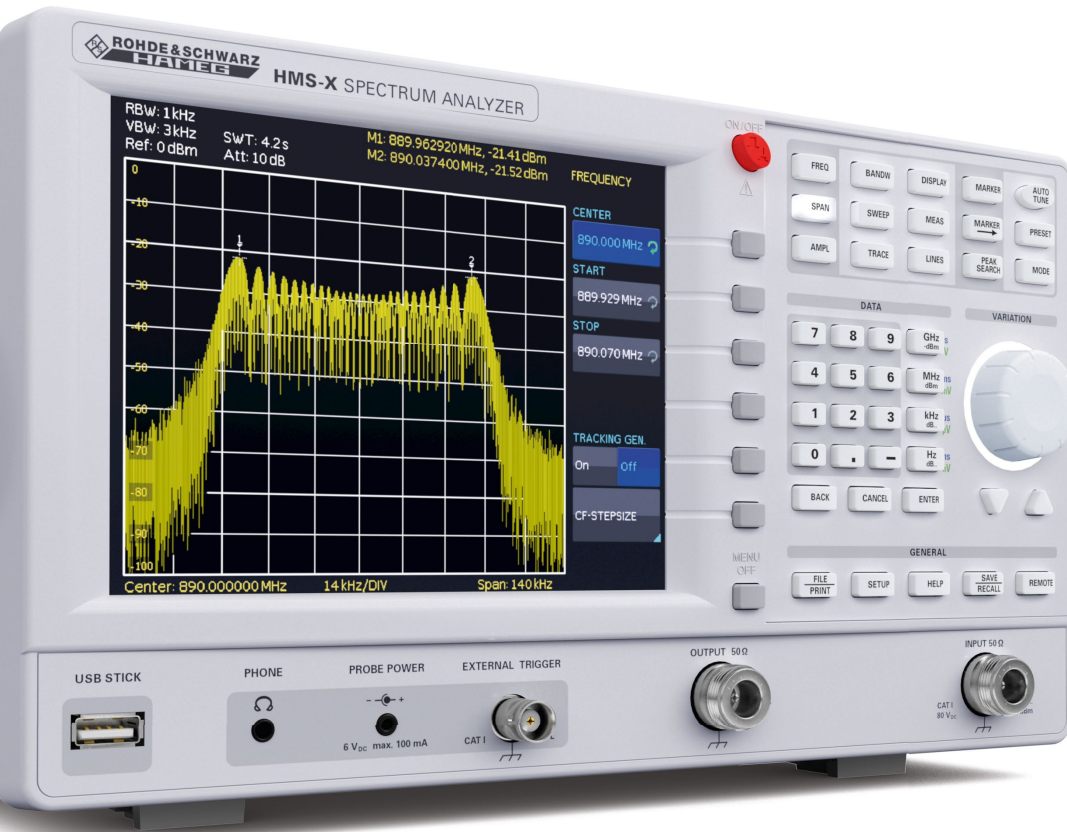
## 1.6 GHz | 3 GHz

### HMS-X

**HAMEG**<sup>®</sup>  
Instruments  
A Rohde & Schwarz Company



# 1 Basic Unit + 3 Options



## Key facts

- Frequency range: 100 kHz to 1.6 GHz/3 GHz\*<sup>1</sup>
- Spectral purity greater than -100 dBc/Hz (at 100 kHz)
- SWEEP from 20 ms to 1000 s
- Detectors: auto-, min-/max.-peak, sample, RMS, average, quasi-peak\*<sup>2</sup>
- Miscellaneous marker/ $\Delta$ marker and peak functions
- Tracking generator\*<sup>3</sup>
  - Frequency range: 5 MHz to 1.6 GHz/3 GHz\*<sup>1</sup>
  - Output level: -20 dBm to 0 dBm
- Directly export data to USB flash drive, RS-232/USB dual interface for remote control
- Fanless design and fast boot time

\*<sup>1</sup> with HMS-3G (HV212) option

\*<sup>2</sup> with HMS-EMC (HV213) option

\*<sup>3</sup> with HMS-TG (HV211) option

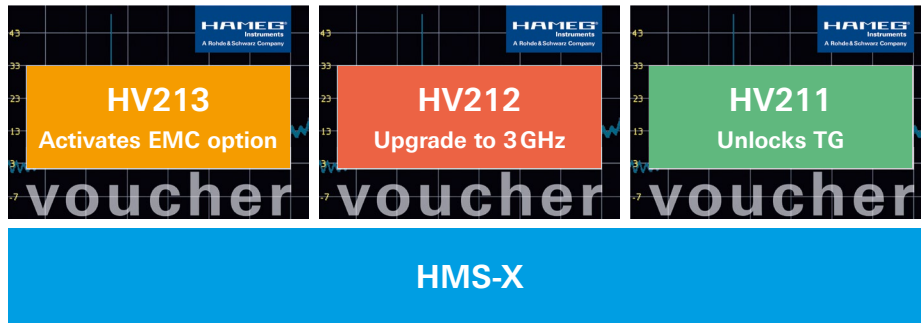


Model overview:	HMS-X with EMC option	HMS-X basic unit
Amplitude measurement range	-114 dBm to +20 dBm	-104 dBm to +20 dBm
DANL	typ. -135 dBm	typ. -104 dBm
Resolution bandwidth	100 Hz to 1 MHz, 200 kHz (-3 dB), 200 Hz, 9 kHz, 120 kHz, 1 MHz (-6 dB)	10 kHz to 1 MHz, 200 kHz (-3 dB)
Video bandwidth	10 Hz to 1 MHz	1 kHz to 1 MHz

# Upgrade at any time

You can easily upgrade all three available options at any later point in time with option upgrade vouchers available at your dealer.

The voucher number and the serial number of your HMS-X instrument enable you to generate the respective licence key directly on our web page <http://voucher.hameg.com>.



HMS-X options	Option code*1	Voucher code*2
EMC option incl. preamplifier	HMS-EMC	HV213
Bandwidth upgrade to 3 GHz	HMS-3G	HV212
Unlock built-in tracking generator	HMS-TG	HV211

\*1 available only with purchase of HMS-X basic unit

\*2 activate HMS-X options at any time after purchase of HMS-X basic unit

# Recommended Accessories

## 3 GHz VSWR bridge HZ547

This unit is used to measure the voltage standing wave ratio (VSWR) and reflection coefficient of a device under test with an impedance of 50 Ω. Typical test devices include attenuators, terminations, frequency switches, amplifiers, cables and mixers.



3 GHz VSWR bridge for HMS-X, option HMS-TG required, option HMS-3G recommended

## Near-field probe set 3 GHz HZ540 | HZ550

Near field probe set for comparative measurements with built-in preamplifier covering frequency ranges from 1 MHz to 3 GHz, designed for the 50 Ω N-connectors of the HMS-X:

- E-field probe
- H-field probe
- High impedance probe
- μH-field probe (HZ550)
- Radiation probe (HZ550)

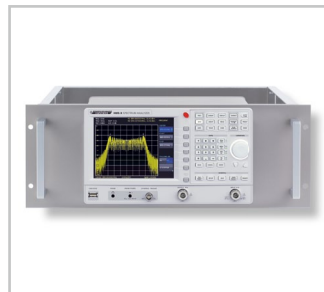
## Alternative version HZ540L | HZ550L

Same specification as HZ540 | HZ550, but with low capacitance probe instead of high impedance probe



## HZ46

4RU 19" rackmount kit



## HZ99

Carrying case for protection and transport



## HO730

Ethernet/USB dual interface card



## HO740

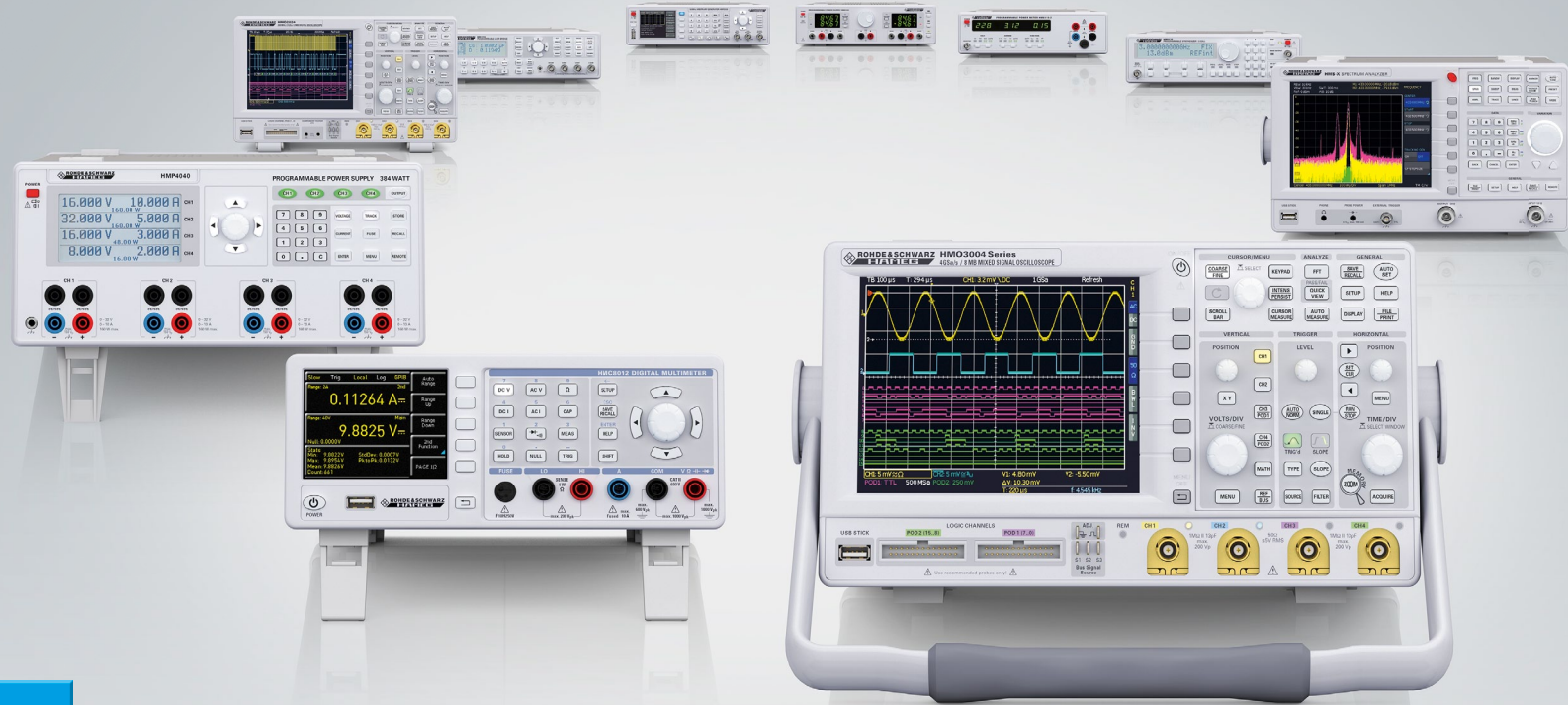
Interface IEEE-488 (GPIB), galvanically isolated



## HZ530

Near-field probe set 1 GHz





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HAMEG Instruments GmbH  
Industriestr. 6 | 63533 Mainhausen | Germany | Tel +49(0)6182 8000

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