



R&S® HM8150 FUNCTION GENERATOR

Versatile and price convenient

The perfect choice for



General purpose

Education

Hobbyist

Maintenance & repair

Key specifications	
Frequency range	10 mHz to 12.5 MHz
Output voltage	10 mV _{pp} to 10 V _{pp} (into 50 Ω) 20 mV _{pp} to 20 V _{pp} (open circuit)
Total harmonic distortion	0.05% typ. (f < 100 kHz)
DC offset	±75 mV to 7.5 V
Arbitrary waveform resolution	12 bit

Key features

- ▶ Waveforms: sine wave, square wave, triangle, pulse, sawtooth, arbitrary
- ▶ Rise and fall time: < 10 ns
- ▶ Pulse width adjustment: 100 ns to 80 s
- ▶ Arbitrary waveform generator: 40 MSa/s
- ▶ Burst, gating, external triggering, sweep
- ▶ Free of charge software for creation of arbitrary waveforms
- ▶ External amplitude modulation (bandwidth 20 kHz)
- ▶ Intuitive operation with one touch of a button – quick change of signals

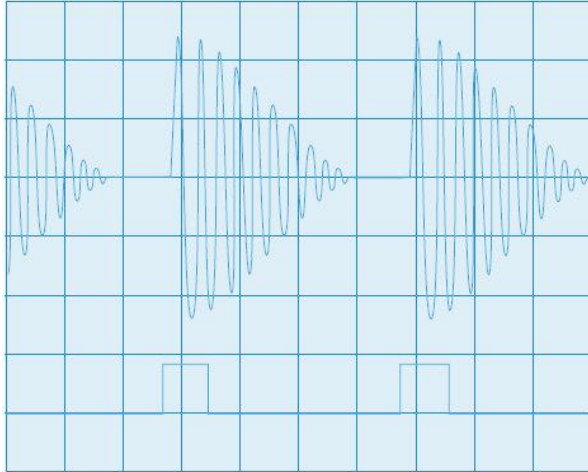
Your benefit	Features
Easy to use	<ul style="list-style-type: none"> ▶ With the touch of one button, the R&S® HM8150 offers six different waveforms ▶ Frequency and amplitude can be varied for sawtooth (ramp), triangle, sine and square wave signals ▶ The pulse function permits the pulse width to be modified
Versatile functionality	<ul style="list-style-type: none"> ▶ In addition to the “continuous” operating mode, signals can be generated in response to a trigger and a gating signal ▶ Frequency sweep is available for sine wave, square wave, sawtooth, pulse and arbitrary waveforms ▶ Arbitrary signals can be defined by the user via the RS-232, GPIB or USB interface



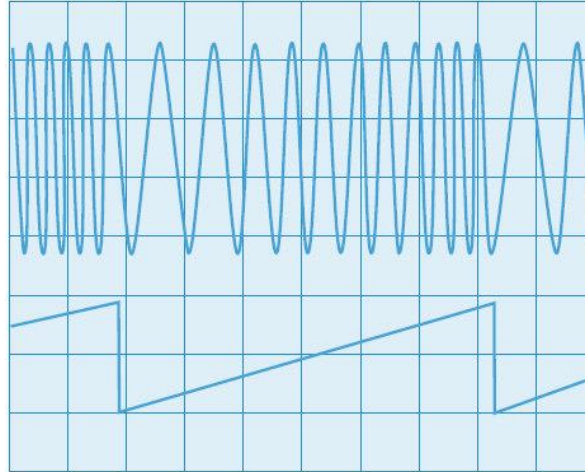
For price and more information:

www.rohde-schwarz.com/catalog/HM8150

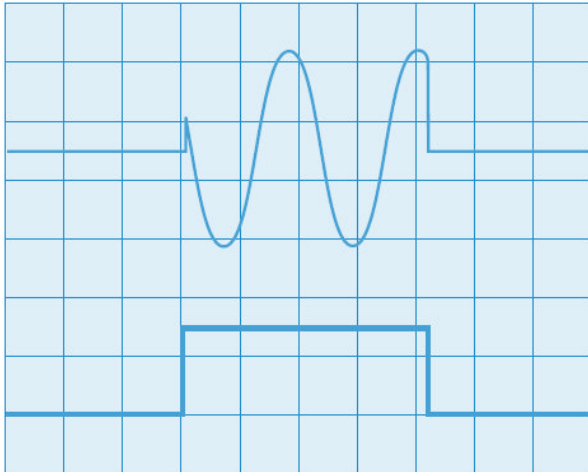
Signal examples



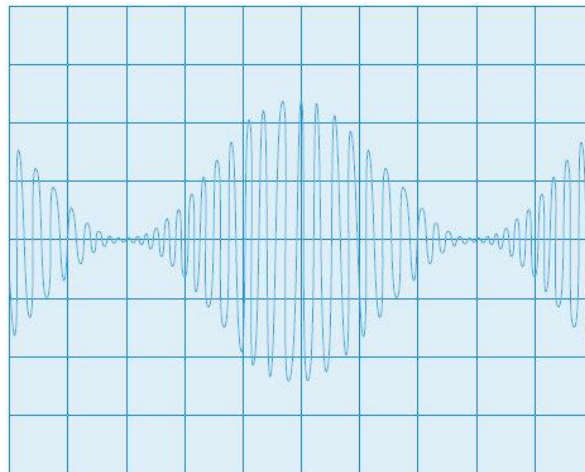
Triggered arbitrary signal.



Swept sine wave and sawtooth signal.



Output signal controlled by a gate signal).



Sine wave with amplitude modulation (using the external modulation input).

Ordering information	
Base unit	Item
Function generator	R&S®HM8150
Options/system components	Item
IEEE-488 (GPIB) interface	R&S®H0880
19" rackmount kit, 2 HU	R&S®HZ42

Included accessories:

The R&S®HM8150 includes power cable, operating manual and three-year warranty.



R&S®HZ42
19" rackmount kit 2HU



R&S®H0880
IEEE-488 GPIB interface