ROHDE&SCHWARZ
Make ideas real

R&S®HM8150 FUNCTION GENERATOR
Versatile and price convenient

The perfect choice for

General purpose	Education
Hobbyist	Maintenance & repair

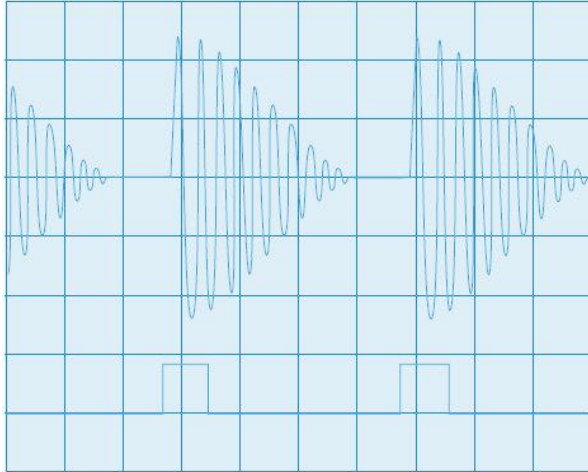| Key specifications	
Frequency range	10 mHz to 12.5 MHz
Output voltage	10 mV$_{pp}$ to 10 V$_{pp}$ (into 50 Ω) 20 mV$_{pp}$ to 20 V$_{pp}$ (open circuit)
Total harmonic distortion	0.05% typ. (f < 100 kHz)
DC offset	±75 mV to 7.5 V
Arbitrary waveform resolution	12 bit

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)
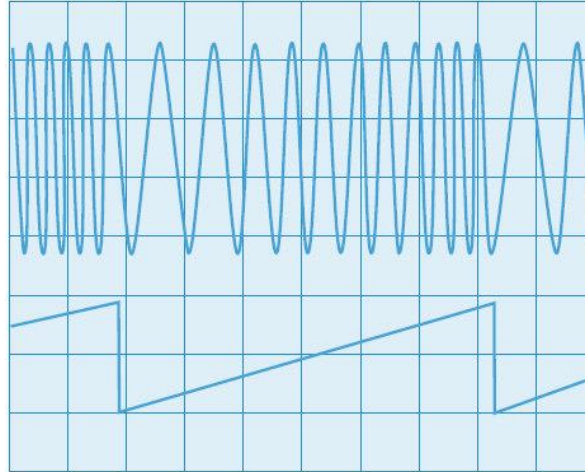► Intuitive operation with one touch of a button – quick change of signals

Your benefit	Features
Easy to use	► 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	► 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:
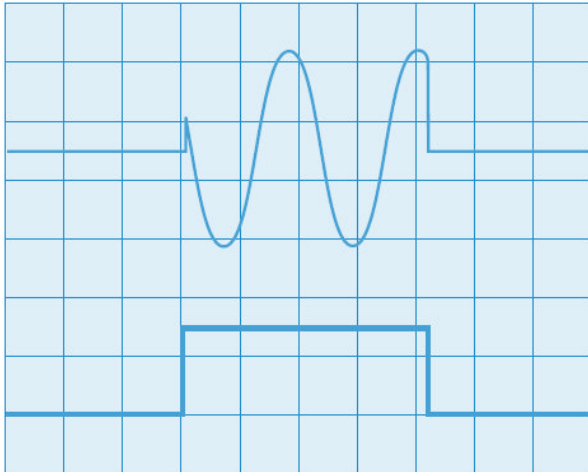www.rohde-schwarz.com/catalog/HM8150
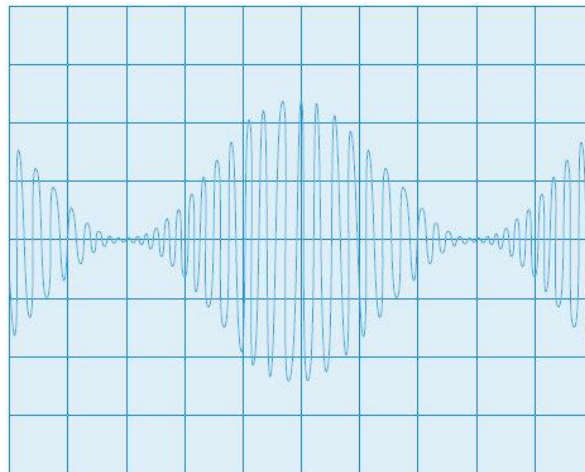
Signal examples

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 (GBIP) interface	R&S®HO880
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®HO880
IEEE-488 GPIB interface

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