

1.3 Specifications

Output frequency

Frequency range	10 Hz to 100 kHz
Frequency setting	single-range tuning
Frequency indication	7-segment display, 4 digits, Hz, kHz, floating point
Indication error	$\leq 1 \times 10^{-3} \pm 1$ digit
Frequency resolution	0.25 to 0.5%

Output level

Level range	-20 to +12 dBm (0 dBm = 0.775 V)
Level setting	
in the range -20 to +9 dBm	1 dB in steps
fine-tuning knob	0 to +3 dB (+3 dB ± 0.1 dB)
Level indication	-20 to +9 dBm 2-digit 7-segment readout plus polarity sign
Level error (1000 Hz)	$\leq \pm 0.1$ dB
Source impedance	approx. 5 Ω
Maximum load	$\geq 600 \Omega // \leq 4.7$ nF
Frequency response flatness related to 1000 Hz	$\leq \pm 0.1$ dB (30 Hz to 70 kHz) $\leq \pm 0.2$ dB (10 Hz to 100 kHz)
Harmonic distortion	≥ 65 dB (30 Hz to 30 kHz) ≥ 60 dB (30 kHz to 100 kHz) ≥ 45 dB (10 Hz to 30 Hz)

Connectors

AF outputs (switchable)	
on front panel	unbalanced: BNC female connector balanced: 3-way connector in accordance with DIN 41628
on rear panel	3-way receptacle similar to DIN 41524, lockable, parallel to 30-way male connector in accordance with DIN 41622
Power connector	standard European plug
<u>Remote control</u>	see "Recommended extras"
Settings	frequency, level

Double-tone input

Connector 30-way connector Ob (Ob =)
Input impedance 1 k Ω , approx.
Input level +6 dBm, max.

The feed point is located before the attenuator so that the amplitudes of the internally produced voltage and the externally applied voltage are varied together.

General data

AC supply 110/125/220/235 V +10/-15%
47 to 63 Hz, approx. 30 VA
Nominal temperature range +5 to +45 °C
Storage temperature range -20 to +70 °C
Overall dimensions (W x H x D)
 rack model 202 mm x 133 mm x 323 mm
 bench model 245 mm x 154 mm x 347 mm
Weight
 rack model 3.6 kg, approx.
 bench model 4.9 kg, approx.

Order designation SUN 2/S
Order No. 282.2010.03 (rack model)

Accessories supplied

Power cord, manual, adapter panel see list of accessories
282.3730 ST

Recommended extras

Panelling for rack model SUN 2-Z
Order No. 085.6421.00
Cassette adapter for any two plug-
ins of the SUN 2 system (manual
insertion) SUN 2-Z
Order No. 282.5910.03
Panelling to convert cassette
adapter for use as bench model SUN 2-Z
Order No. 085.1459.00
IEC-bus interface option please enquire