

Measured-value indication	mean value of detector voltage during integration time (145 ms)
Meter detector "peak"	quasi-peak-responsive rectifier in accordance with DIN 45405 (1979) and CCIR recommendation 468-2
Measured-value indication	maximum value of detector voltage during measurement (35 ms)
<u>Distortion measurement</u>	L_2 subtracted from L_1 automatically
<u>Reference measurement</u>	variation from any selected reference value in \pm dB
<u>Inputs</u>	switch-selected
on front panel	unbalanced: 1 m Ω //approx. 50 pF BNC female connector balanced: > 20 k Ω , 3-way connector in accordance with DIN 41628
on rear panel	balanced: > 20 k Ω , 30-way male connector in accordance with DIN 41622, parallel 3-way receptacle similar to DIN 41524, lockable
Common-mode rejection and symmetry	> 125 dB (50 Hz) > 85 dB (1 kHz) > 60 dB (16 kHz)
Permissible DC voltage at unbalanced input	\pm 100 V, max.
<u>Outputs</u>	telephone jacks on rear panel
DC voltage	+0.1 to +1 V, proportional to V_{in}
Source impedance, load	R_{out} approx. 10 Ω , $R_{load} \geq 1$ k Ω
AC voltage	0 dBm, max., proportional to V_{in}
Source impedance	Z_{out} approx. 10 Ω , $Z_{load} \geq 1$ k Ω
Useful dynamic range (instrument used as amplifier)	≥ 60 dB
<u>Filters</u>	
Unweighted S/N	bandpass filter 31.5 Hz to 16 kHz in accordance with DIN 45405 (1979) and CCIR recommendation 468-2

Weighted S/N	psophometric filter in accordance with DIN 45405 (1979) and CCIR recommendation 468-2 (exchangeable plug-in card)
Distortion (d)	highpass filter 80 Hz for d(40 Hz) highpass filter 2 kHz for d(1 kHz) highpass filter 9.4 kHz for d(4.7 kHz)
Distortion (d ₂ , d ₃ , separately) . .	bandpass filter 180 Hz for d ₃ (60 Hz) and d ₂ (90 Hz) bandpass filter 1.6 kHz for d ₃ (533 Hz) and d ₂ (800 Hz)
Highpass filter	f ₀ = frequency of fundamental wave
Passband attenuation between 2 f ₀ and 45 kHz	≤ ±0.3 dB
Stopband attenuation at f ₀	> 65 dB
Bandpass filters	f _{centre} = centre frequency
Passband attenuation at f _{centre}	≤ ±0.3 dB
Stopband attenuation at 0.33 f _{centre} and 0.5 f _{centre}	> 65 dB
Stopband attenuation between ≥ 1.33 f _{centre} and 45 kHz	> 40 dB
Special filters	space for plug-in cards and four additional switch positions for special filters
Inherent-noise indication during distortion measurement	> 65 dB (> 60 dB at d(40 Hz) and balanced input)
<u>Remote control</u>	see "Recommended extras"
Settings	measurement range/autoranging mode (filter) rectification mode indication mode
Output	measured level or measured attenuation
<u>General data</u>	
AC supply	110/125/220/235 V +10/-15% 47 to 63 Hz, approx. 25 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 342 mm

Weight

rack model 3.8 kg, approx.
bench model 5.1 kg, approx.

Order designation SUN 2/U
Order No. 282.4213.03 (rack model)

Accessories supplied

Power cord, manual, adapter panel. . see list of accessories
282.5755 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 for cassette adapter
for use as bench model SUN-Z
Order No. 085.1459.00

IEC-bus interface option please enquire