

Low noise frequency generator

Features

- The SR2020 is a high precision frequency generator housed in a 1U 19" rack .
- The internal oscillators can be a standard OCXO or an OCXO Low noise PULSAR type with good ratio of short & long term stability, and good level of low noise.
- The front face of the equipment shows LEDS, corresponding with the frequency outputs.
- If a fine adjustment is needed, a potentiometer inside the rack allows this type of operation on the oscillator.
- All the outputs are located on the rear face of the equipment. There is a choice between 5 or 10 outputs.
 - 5 or 10 MHz sine outputs
 - Associated potentiometers allows the respective adjustment of each output level.
- A standard CEE power supply connector for 230 VAC power supply is provided with fuse, filter and On/Off switch.



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Specifications

- **Oscillator** : OCXO 10 MHz or 5 MHz, or low Pulsar
- **Frequency outputs** : same as the internal oscillator frequency
10 MHz or 5 MHz sinus. Level : +13 dBm max / 50 Ohm.
- **Connectors** : BNC
- **Dimensions** : L = 19" (483 mm), H = 1U (44.5 mm), W = 295 mm.
- **Poids** : 5 Kg
- **Consumption** : 30 W
- **MTBF** = 65 000 h
- **CE**

	OCXO ostar	PULSAR FB
Stability		
10s	$<2.10^{-11}$	$<1.10^{-12}$
Jour	$<1.10^{-9}$	$\pm 5.10^{-11}$
Mois	$<3.10^{-8}$	$\pm 1.10^{-9}$
An	$<2.10^{-7}$	$\pm 1.10^{-8}$
Phase noise		
1 Hz	<-90 dBc	<-100 dBc
10 Hz	<-110 dBc	<-130 dBc
100 Hz	<-130 dBc	<-147 dBc
1 KHz	<-140 dBc	<-150 dBc
10 KHz	<-145 dBc	<-155 dBc

Ordering information

	Oscillator type	Frequency	Output Number
SR2020	OCXO standard (X)	5 MHz	5 outputs
	Low noise (F)	10 MHz	10 outputs

Example : SR2020-F-10-5