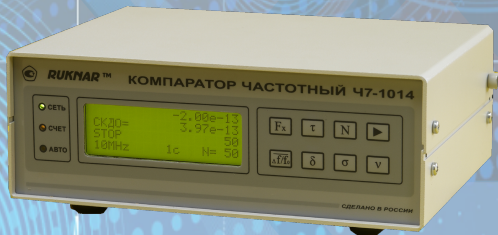


Frequency comparator CH7-1014



Frequency comparator CH7-1014 is intended for use as a simple and precise instrument for measurements of the relative frequency difference of precision crystal oscillators and rubidium frequency standards, calculation of metrological characteristics (Allan variance, RMS, drift etc.) with the mapping process and the measurement results on the internal display or an external PC. PC software included.

Specification

1. The nominal value of the reference signal frequency, MHz..... 5, 10
2. The nominal value of the test signal frequency, MHz..... 1, 5, 10 (2.048, 10.24 via PC)
3. The maximum deviation of the frequency of the input signals from the nominal value, Hz, at range..... ± 1
4. Input signals amplitude at a load of 50 Ω , Vrms, at range..... от 0.4 to 1.2
5. RMS error in determining the relative frequency deviation for a signal 10 MHz for the averaging time

1 s.....	$< 1 \cdot 10^{-12}$
10 s.....	$< 5 \cdot 10^{-13}$
100 s.....	$< 1 \cdot 10^{-13}$
3600 s.....	$< 5 \cdot 10^{-14}$
1 day.....	$< 5 \cdot 10^{-15}$
- for a signal 5 MHz for the averaging time

1 s.....	$< 2 \cdot 10^{-12}$
10 s.....	$< 5 \cdot 10^{-13}$
100 s.....	$< 1 \cdot 10^{-13}$
3600 s.....	$< 5 \cdot 10^{-14}$
1 day.....	$< 5 \cdot 10^{-15}$
- for a signal 1 MHz for the averaging time

1 s.....	$< 8 \cdot 10^{-12}$
10 s.....	$< 2 \cdot 10^{-12}$
100 s.....	$< 5 \cdot 10^{-13}$
6. Averaging time..... 1s, 10s, 100s, 1000s, 1 hour, 1 day
7. AC / DC power supply voltage, V..... 198 to 242 / 22 to 30
8. Input power, W..... < 30
9. Dimensions (depth×width×height), mm..... 150×200×80
10. Weight, Kg..... < 1.3

made in RUSSIA