

## Product Comparison Chart

Specification	SRO-100	SRO-75
<b>Key Features</b>	- 1" high - Ultra high stability	- 0.75" high - High stability
<b>Stability</b> Over Temperature Range	< 1E-10	≤ 2E-10
Temperature Range	-20°C to 60°C -30°C to 65°C	-5°C to 65°C -20°C to 75°C
Long-Term /month Typical /year	<5E-11 to <3E-11 <3E-11 to ±1E-11 <2E-10	<2E-10 <5E-11
Short-Term /1s /10s /100s	3E-11 to 1E-11 1E-11 to 3E-12 3E-12 to 1E-12	5E-11 1.7E-11 5E-12
<b>Phase Noise</b> /Hz @ 1Hz /Hz @ 10Hz /Hz @ 100Hz /Hz @ 1kHz /Hz @ 10kHz	-75 to -80 -95 to -100 -125 -145 -145	-70 -80 -110 -135 -145
<b>SmarTiming+™</b> Multi-Vendor Reference Input Interface	1 PPS from GPS, Cesium, CDMA, LORAN-C, or E1/T1	1 PPS from GPS, Cesium, CDMA, LORAN-C, or E1/T1
Reference Locking Resolution	1ns	1ns
Holdover (Reference Loss)	<2µs/48hr <7µs/week	<2µs/24hr <10µs/12hr
Noise/Jitter/Wander Filtering	Auto-Adaptively 0-100,000s (exceeds G.823/T1.101 standards)	Auto-Adaptively 0-100,000s (exceeds G.823/T1.101 standards)

Specification	SRO-100	SRO-75
Output Delay Adjustment Resolution	133 ns (range: 0 to 1s)	133 ns (range: 0 to 1s)
Frequency Calibration	Auto-setting thru EEPROM	Auto-setting thru EEPROM
<b>Frequency Retrace</b>	<5E-11 (w/i 1hr a/t 24hr off)	<5E-11 (w/i 1hr a/t 24hr off)
<b>Warm-Up</b>	5E-10 (a/t 12, 7 or 4m @ 25°C) (a/t 5m @ -30°C)	5 <sup>E</sup> -10 (a/t 5m @ 25°C)
<b>Communications</b>	ASCII commands over RS-232	ASCII commands over RS-232
<b>Size (WxHxD)</b>	101.6x70.61x25.4mm 4x2.78x1"	82.55x57.15x19.05mm 3.25x2.25x0.75"