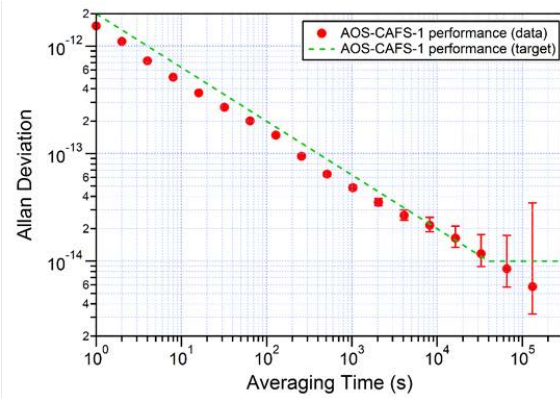


AOS-CAFS-1-X

Cold-atom frequency standard



Features:

- Novel atomic clock based on laser-cooled ⁸⁷Rb atoms
- Intrinsically high accuracy / low drift: microwave interrogation occurs in the absence of light or buffer gas
- Low acceleration sensitivity, operates in any orientation
- Outputs: 10 MHz, 100 MHz (option 1), and 1 pulse per second (option 2)
- Compact, 3U rack-mount form factor with low power draw

Clock Model No.	AOS-CAFS-1-X
Allan deviation @ 1 s	<2×10 ⁻¹²
Allan deviation @ 100 s	<2×10 ⁻¹³
Allan deviation @ 10 ⁴ s	<2×10 ⁻¹⁴
Flicker floor (expected)	<1×10 ⁻¹⁴
Absolute accuracy	<1×10 ⁻¹³
Power draw (ambient)	40 W
Dimensions	19" rack mount, 3U (5.25") high