


The world's first household quartz wall clock

Registration No.	Number 00299		
Registration Date	September 15, 2020	Registration Category	Category 1

Name (Model, etc.)	Spiral Quartz Wall Clock SPX-961		
Location	Chuo-ku, Tokyo		
	The Seiko Museum Ginza		
Owner (Custodian)	Seiko Holdings Corporation		
Manufacturer (Company)	Development & Production: Seikosha Clock Factory (now Seiko Clock Inc.) Sales & Marketing: K. Hattori & Co., Ltd. (now Seiko Holdings Corporation)		
Year Manufactured	1968		
Year first appeared	1968		
Reason For Selection	<p>This is the world's first household quartz wall clock. In 1965, Seikosha started making advances in the use of quartz crystals for wall clocks and developed a 156Hz low frequency spiral quartz crystal oscillator. Developers found that by placing this oscillator in a vacuum tube, the frequency could be made temperature-independent, with a temperature-frequency coefficient of zero. Its accuracy as a clock was within ± 1s/day, making it 10-100 times more accurate than existing mechanical clocks. Using it as a household clock had no impact on its accuracy as a clock. The clock could run for more than a year on two D cell batteries and went on to become a forerunner in the spread of household quartz clocks. This resource is significant as a piece of Japanese household clock technology.</p>		
Registration Standard	<p>1-A (Show an important aspect or stage of the development of science and technology.) 2-A (Played a notable role in improving people's way of life and creating new ways of living.)</p>		

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