

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	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 ± 1 s/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.
Registration Standard	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.)

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