

## **A-1** Initiatives for the Growth of the Analysis and Measurement Industry

### **[Objective]**

**Recognizing the importance of analysis and measurement in the progress of science and technology, we strive not only to carry on the legacy of the technologies, but also to create new technologies in order to contribute to the growth of the analysis and measurement industry as a whole.**

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## Two HORIBA Products Certified as Heritage of Analytical and Scientific Instruments

Two of HORIBA's products, Infrared Gas Analyzer for Industrial Use GA-1 and Compact pH Meter C-1 CARDY, were selected to be part of 15 instruments certified as "Heritage of Analytical and Scientific Instruments" by Japan Analytical Instruments Manufacturers' Association (JAIMA) and Japan Scientific Instruments Association (JSIA).

The Heritage of Analytical and Scientific Instruments program was established in 2012 for the purpose of bequeathing the valuable analytical techniques, analyzers and scientific instruments that have contributed to the daily lives, economy, education and culture of the people of Japan as cultural heritage for future generations. The certified products are world-class instruments and technologies that are recognized as representing the power of science and that are to be passed on to the next generation.



Infrared Gas Analyzer for Industrial Use GA-1



Compact pH Meter C-1 CARDY

## Masao Horiba Awards

The Masao Horiba Awards were launched in 2003, a year that marked the 50th anniversary of HORIBA, Ltd., to support young researchers engaged in analysis or measurement-related research.

The theme for 2013 was "water quality measurement." A specific theme is set for each year, encouraging researchers in Japan and abroad to conduct unique research on that theme.

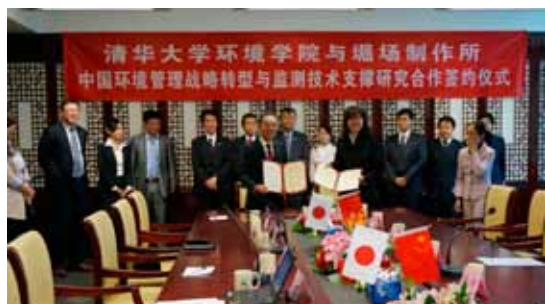


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### HORIBA concluded a joint research agreement with Tsinghua University for environmental monitoring technology

On October 24, a signing ceremony was held for a master agreement on joint research at the School of Environment of Tsinghua University in Beijing, China. In that country, there is an urgent need for development of environmental legislation and of air and water-quality monitoring systems. HORIBA and Tsinghua University have agreed to conduct demonstration experiments of a measurement system using HORIBA's analysis and measuring technologies and know-how as part of the environmental monitoring research that the School of Environment of Tsinghua University is promoting. In the future, HORIBA and the university will jointly develop environmental monitoring systems that meet local needs, such as the measurement of fine particulate matter so called PM2.5 in the atmosphere and the monitoring of industrial wastewater.

Taking this as an opportunity, HORIBA, with its legal compliance experience in Japan, the United States, and Europe, will propose solutions for practical applications by providing its technologies to Tsinghua University, a top-level research institution in China that has a policy advisory role.



### The 1st HORIBA-BJAST Science Award Ceremony

Since the establishment of a joint R&D center in April 2012, HORIBA and the Beijing Center for Physical and Chemical Analysis (BCPCA) have promoted joint research into the contamination of air, soil, groundwater, etc. HORIBA also has established the HORIBA-BJAST Science Award with the Beijing Academy of Science and Technology (BJAST), to which BCPCA belongs, to support the research activities of many young researchers and develop analytical technology and new products suitable for the Chinese market, and held the first HORIBA-BJAST Science Award Ceremony on October 24. HORIBA has solicited surveys and research on the theme it has set for this year's Award, namely "air pollution," the biggest issue affecting people in China. The results were that three people received the Award. We believe it is very important for us to be able to select surveys and research into environmental measurement and intend to continue to uncover more research into environmental issues.

