



Japan Electric Measuring Instruments
Manufacturers' Association

Profiles of
JEMIMA
2011

Japan Electric Measuring Instruments
Manufacturers' Association -JEMIMA-
Chairman **Atsushi Horiba**



Since its establishment in 1948, Japan Electric Measuring Instruments Manufacturers' Association -JEMIMA- has been contributing to the wide range of industry sectors by supplying our products as "industrial Mother Tools" indispensable to R&D, design and manufacturing.

In recent years, majority of the propositions our industry is facing became global and no longer limited within one region or one country. Our society is facing various problems, the environmental or energy issues, aging society with low birthrate among developed nations, global overpopulation and borderless economy and information exchange are all forcing our variety of industries to unite and related each other in the very intricate manner. And the importance of "measurement and control" which covers multiple industry sectors as mother tools is continuously increasing.

In this regard, we could take this environment as our best opportunity to appeal our presence to the world and press for improvement of our positioning in the industry.

To timely respond to these diversified and global needs, JEMIMA would focus its activities in 3 (three) areas, "Globalization & Promotion of International Activities", "Renovation of Measurement & Control Show" and "Strengthen JEMIMA Bases".

By working in these areas, we would make our best effort to achieve our goals in our business sectors by improving the ties among our committee activities and strengthening the cooperation with friendly organizations worldwide.

I firmly believe that our association working hard and tight could produce better fruits for our member companies and eventually could contribute to solve the problems such as education and technology succession, maintaining sustainability and securing safety and peace within our society.

As the Chairman of JEMIMA, I promise to strongly promote the various measures based on the strategies above.

Therefore, your kind understandings and cooperation would be highly appreciated.

JEMIMA Three-years Vision II (2011 - 2013)

JEMIMA will strive to be a significant industry association with "Globalization and Promotion of Global Activities", "Renovation of Measurement & Control Show" and "Strengthening the JEMIMA Basis" to be our three focal points.

And we would make our best effort to fully contribute to our member companies based on the "seven activities" and "three bases".

[Seven Activities]

Activity to support member companies for strengthening their global competitiveness

- Survey trends in regulations in domestic and abroad
- Promote international standardization activities
- Compile statistics report

Activity to develop new technology and create business opportunities

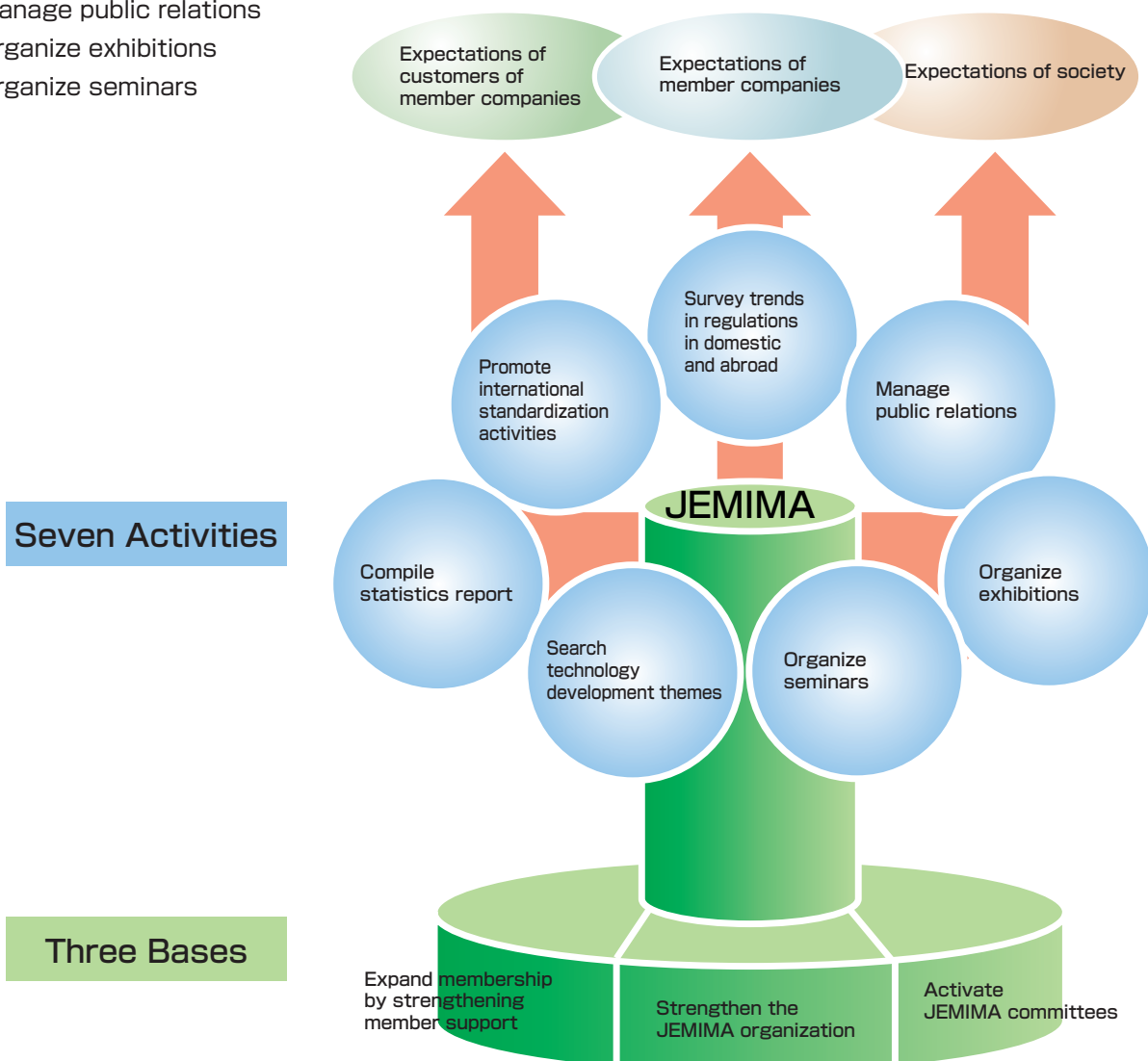
- Search technology development themes

Activity to improve the presence of JEMIMA

- Manage public relations
- Organize exhibitions
- Organize seminars

[Three Bases]

- Strengthen the JEMIMA organization
- Activate JEMIMA committees
- Expand membership by strengthening member support



Trends in the Electric Measuring Instruments Industry

Electric measuring instruments have many and diverse uses including monitoring and control of production systems, quality inspection, and research and development of electronics industries such as semiconductors, digital home appliances, and communications, as well as a wide range of other industries including steel, chemicals, petroleum refining, electric power, foods, waterworks and sewerage. As the "mother tools of the industry," electric measuring instruments have supported these industries and are expected to continuously support a wide range of industries while responding to new needs for measurement from various hi-tec industry sectors.

Through various statistical surveys of electric measuring instruments, the Japan Electric Measuring Instruments Manufacturers' Association (JEMIMA) compiles original statistics and publishes the survey results every year as a Market Demands

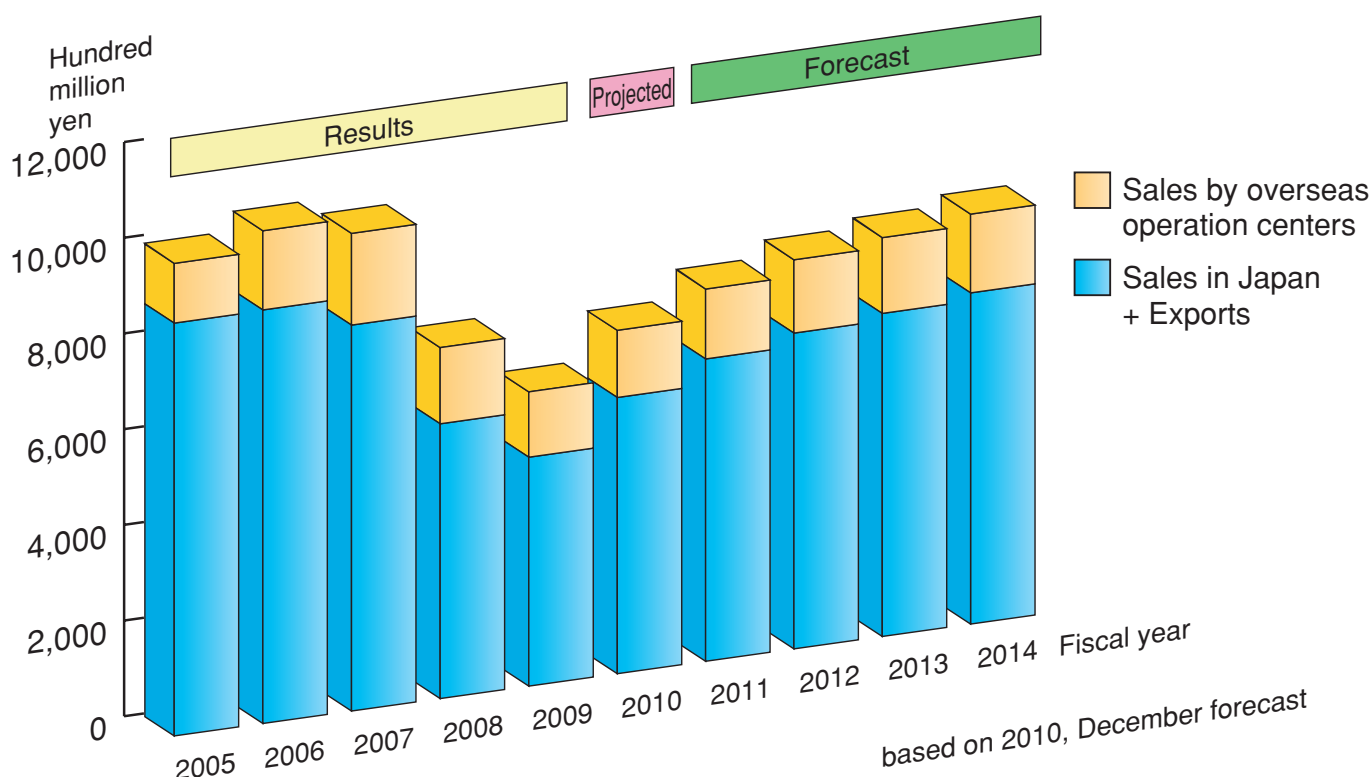
Forecast report.

The following chart is drawn based on the work of JEMIMA's Demand Forecast Committee as of December 2010.

Sales of electric measuring instruments including sales of overseas operations in 2009 declined to ¥614.9 billion, down by 16.2% from 2008, mainly due to the world recession triggered by Lehman Shock in September 2008, however, 2010 total recovered to ¥717.6 billion which is 16.7% increase from 2009.

Recent trend showed the steady increase of sales supported by the recovery of world economy although several uncertainties such as high yen appreciation, financial crisis within EU countries and the effect of the Great Eastern Japan earthquake and nuclear power plant accident. Based on such analysis, we predict the year 2011 result to be ¥778 billion, which is over 8% increase from 2010.

Actual Sales and Forecast of Sales of Electric Measuring Instruments



Categories and Products of Electric Measuring Instruments

Electric measuring instruments measure quantities and sizes of substances and phenomena, and are grouped into following 8 (eight) categories.

Indicating Instruments (Instruments to indicate or record electrical quantities including electricity, voltage, electric power, power factors, and frequency, and other related apparatus)

Ampere meters, Volt meters, Watt meters, Frequency Meters, Power Factor Meters, AC-DC Transducers, Shunts, Multipliers, Transformers for instruments, and other measuring instruments

Electricity Meters (Instruments to measure the demand and supply of electric power and other related equipments)

AC Watt-Hour Meters, DC Watt-Hour Meters, Remote Indicator Recorders, and others and accessories

Electric Test and Measuring Equipment (Equipment to measure, observe, or record electrical and magnetic quantities by electronic means, and Equipment and Apparatus to generate electric and magnetic signals)

Voltage, Current, and Power Measuring Equipment, Oscilloscopes, Audio Visual Measuring Instruments, Spectrum Analyzers, FFT Analyzers, Logic Analyzers, Equipment for Microprocessor Development, Semiconductor and IC Measuring Equipment, PC Board Testers, Circuit Component / Material Measuring Instruments, Transmission Property Measuring Equipment, Network Analyzers, Radio Wave Measuring Equipment, Optical Measuring Instruments, Signal Generators and Oscillators, Recorders and Data Processing Equipment for Test and Measurement and other electric test and measuring equipment

Test and Measuring Instruments using Electronic Technology

(Equipment and apparatus to detect, measure, indicate, or record physical, chemical, sensory, and other quantities other than electric and magnetic quantities: Excluded are equipments and apparatus for measurement and control in factory automation and process automation, environmental measurement, and radiation measurement. Also excluded are equipments and apparatus that measure mainly by mechanical means, even when their indicators or displays are electronic.)

Electronic Physical Quantity Measuring Instruments, Electronic Chemical Analyzing Test Instruments, Electronic Sensation Level Test Instruments, Test and Measuring Systems Applying Electronic Technology, and Electronic Measuring Instruments for Medical Application

Measuring and Control Instruments for Factory Automation - FA-

(Equipment and systems to identify and measure the status of objects in industrial processes such as machining & assembly industries, mainly handling solids and powder / gran-

ular materials, and other equipments and apparatus related to them, including general-purpose equipments converted into measurement and control equipments for factory automation application.)

FA Systems (Multi-Layer Systems and Single-Layer Systems), Components for FA (Field Instruments, Control & Measurement Instruments and other equipment, and other FA components), and System Engineering (Basic Design, Customized Software, and others)

Process Measuring and Control Instruments (Equipment and systems to continuously measure and control variables of industrial processes that mainly handle fluids, gases, and vapor and related components & parts)

Transmitters (Detectors, Converters, etc.) and Transducers with Indicators (Thermometers, Flow meters, Pressure Gauges, Level-Measuring Instruments, Process Analyzers, and other instruments for industrial measurements), Receiving Instruments (Indicators and Recorders, Controllers, Auxiliary Instruments, and the like), Final Control Elements (Pneumatic Final Control Elements, Electric Final Control Elements, and other final control elements), Process Monitoring and Control Systems (Process Computer Control Systems, Digital Control Systems [Distributed Control Systems], Telemeter, Tele-control Network, Multi-Point Monitoring and Control Systems, and other control systems for special use), Instrumentation Panels and Auxiliary Equipment (Instrumentation Panels and Operator Consoles, Auxiliary Equipment and Instruments, and Maintenance Instruments), and System Engineering (Basic Design, Package Software, Customized Software, and others)

Instruments for Environmental Monitoring (Measuring instruments to measure pollution of the natural environment and changes in natural phenomena, and other related equipments & apparatus)

Air Pollution Monitoring Instruments and Systems, Water Pollution Monitoring Instruments and Systems, Odor Analyzers, Noise Meters, Vibration Meters, Automobile Emission Analyzers, and other related instruments.

Radiation Measuring Instruments (Measuring instruments to measure quality and quantity of radiation [α , γ , β , α rays, neutrons and others], measuring instruments that utilize radiation, and other related equipment apparatus)

Radiation Meters, Radiation Monitors, Measuring Instruments Utilizing Ionizing Radiation, Radiation Measuring Apparatus and the Others

Major JEMIMA Activities

1 Survey of Trends in Regulations within Japan and abroad

Recently, swift response to regulation changes in Japan and abroad is required in manufacturing and selling industrial products. Accurate and speedy surveys are continuously conducted on export regulation, environmental regulation, EMC, product safety, and other aspects in response to member needs.

To enhance the presence of JEMIMA, cooperation with related organizations worldwide is strengthened and JEMIMA will actively promote dispatch of committee members to the IEC and other international organizations. Furthermore, JEMIMA will continue to exert efforts to train and secure personnel that are globally capable.

(1) Law and Regulation Compliance and Standardization activities

JEMIMA collects information on the establishment and amendment of laws and standards both domestic and abroad for EMC and on electrical/optical safety of electric measuring instruments and related products, and provides the information to member companies, as well as to non-member companies, through seminars and other events.

A database will be built containing laws and regulations of the countries of the world to provide a service allowing easy search and access by member companies.

In 2009, JEMIMA started dispatching a member to IEC TC66 (Safety of measuring, control and laboratory equipment) and strengthens its activities in this field in combination with other actions.

(2) Export control

JEMIMA will continue organizing "Meetings for explanation of security export control (Qualified meetings)" to spread knowledge on export related laws and regulations and to achieve thorough compliance with them.

JEMIMA publishes various documents (in Japanese) for Japanese exporters such as "Guidance on Applicability" and "Hand Carry Procedural Manual", which allow easy understanding of customs clearance procedures even by persons inexperienced in hand carry and contain the latest laws and regulations, useful during business trips outside Japan. Through these activities, JEMIMA is contributing member companies in the export control field.

(3) Environmental and Green activity

JEMIMA continuously surveys the status of environmental regulations of the world and determines proper reactions for member companies. Regulations surveyed include the amended WEEE and RoHS directives, REACH regulation, and the battery directive. JEMIMA proposes its opinions to related organizations inside and outside Japan to have its opinions reflected in the establishment of regulations and standards. JEMIMA continues to organize seminars on environmental regulation for students.

(4) Activities on the Energy and Environment Policy

JEMIMA researches the world trend in energy & environments policies and provides the related information to member companies for their timely reaction to secure the new business opportunities. In the field of "Smart Grid", which is the topic of this time, JEMIMA cooperates with various organizations in industry and academia both and providing useful information to our members. In the field of energy related regulations, JEMIMA studies ISO50001 (energy management system) and provide gathered information to our members.

(5) Study and research on functional safety

JEMIMA is engaged in activities to spread standards on specification, design, installation, operation, and maintenance requirements for safety instrumentation systems for the measurement and control segment for process and factory automation (JIS C 0511-1 to -3).

(6) Survey on the various security issues

As more networks in the manufacturing sector are based on open standards, JEMIMA conducts research on various security issues in cooperation with other related organizations.

(7) Survey on the industrial wireless technology

In the PA, FA fields, wireless technology is becoming more and more vital, therefore, JEIMIMA conducts research work on the industrial wireless technology and its related fields.

2 Activities to Promote International Standardization

We need to propose International standards to the IEC, ISO and other international standardization organizations strategically, with a view to showing technological advances of the Japanese industry and to stimulating the development of the industry. To promote activities to make proposals for international standard, JEMIMA provides a forum to discuss standardization themes and strengthens its functions as the secretariat to support studies of proposals for, as well as maintenance, management, and implementation of international standards.

(1) Preparation of draft comments for international standards and dispatch of committee members

Under a contract with the Ministry of Economy, Trade and Industry, JEMIMA operates domestic committees for the following technical committees as a forum for deliberations in Japan related to the international standards organizations (ISO and the IEC) and sends persons of knowledge and experience to international conferences to have Japanese opinions reflected in standards.

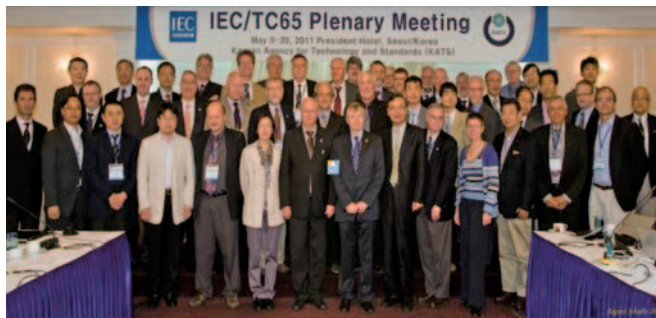
ISO/TC30 (Measurement of fluid flow in closed conduits)

IEC/TC45 (Nuclear instrumentation)

IEC/TC65 (Industrial-process measurement, control and automation)

(2) Promotion of international standardization of IEC/TC65

JEMIMA acted as the secretariat for the IEC/TC65 Plenary International Conference held in 2008 and contributed to the success of the conference. In 2009 onward, JEMIMA will continue to have the opinions of Japan reflected in standards by submitting proposals on standards and participating in deliberations on IEC international standards. As one example, JEMIMA will contribute a draft of standard for an energy efficiency improvement to IEC/TC65/JWG14 (Energy Efficiency in Industrial Automation).



(IEC/TC65 Plenary, Seoul Conference)

(3) IEC/TC45 Plenary International Conference

JEMIMA organized and operated the IEC/TC45 Plenary International Conference held in Yokohama in September 2009 as the host-nation secretariat, making a contribution to international standardization.

(4) Consistency between JIS and IEC standards

JEMIMA surveys, studies, and develops JIS drafts to achieve consistency between the JIS and IEC standards on electronic indicating instruments, measuring instruments utilizing ionizing radiation, the EMC standards, and other categories.

3 Statistics Activity

JEMIMA compiles mid-term forecasts, taking user needs and market trends into consideration, and based on quantitative surveys and the analyses of major instrument sectors. The results are published by press releases and other medium. In addition to this, forecasting of demand from a global viewpoint will be further studied.

4 Activities to Search Technology Development Themes

JEMIMA surveys technology development themes that will become common fundamental technologies of high interest among member companies, and explores seeds to realize new businesses for member companies based on such fundamental technologies. JEMIMA provides forums for exchange of views with related academic societies, research organizations, and government agencies and gives support for joint development of searched technology themes among member companies.

(1) Search for new theme in the Electronic Measuring Instrument category

The Electronic Measuring Instrument Committee continuously tackles the issues and tasks from a new perspective, and organizes activities in view of the future of the electronic measuring instruments industry, including new business opportunities.

(2) Participation in preparation of Strategic Technology Roadmap

JEMIMA continues to participate in work to prepare the Strategic Technology Roadmap of the measuring instruments sector under the initiative of the Ministry of Economy, Trade and Industry. Member companies' technological capability and the presence of JEMIMA will be enhanced through a study of future technologies of the measuring instruments sector and through enhancement of the Strategic Technology Roadmap.

5 Public Relations

JEMIMA publishes the results of its activities, particularly those that are useful for society, including surveys of regulatory trends in Japan and abroad.

JEMIMA committee activities are conveyed in a timely manner to member companies. JEMIMA will communicate to society the importance of electric measuring instruments in responses to global environmental problems and in activities for enhanced safety.

Organically linking the JEMIMA website, journal, and e-mail magazine, effective publicity is performed.



(JEMIMA Journal)



(JEMIMA website)

6 Exhibition Activity

The "Measurement and Control Show" has been organized in October every year alternately in Tokyo and Osaka. The show has enjoyed high evaluation as the largest specialty show of measurement and control technology in Japan since 1955, the first year of the show.

In 2011, the show will be organized jointly with SYSTEM CONTROL FAIR and main theme will be "Measurement & Control to support Future Earth" with "Reconstruction - and farther on" praying to assist a quick recovery from the earthquake disaster.



(Measurement and Control Show 2010 OSAKA)

7 Seminar Activity

By sponsoring seminars, JEMIMA promotes technology transfer in the field of measurement and control, fostering personnel who support the industry.

JEMIMA plans and periodically organizes seminars that will meet the needs of its member companies, for acquisition of official qualifications and for other purposes.

The following seminars are some of the principal seminars organized by JEMIMA.

- Introduction of Smart Grid
- Introduction of Industrial Wireless Technology
- JCCS Seminar
- Preparatory Study Meeting for the Practical Export Control Certification Test
- Lecture on the new move of Functional Safety
- Work Shop for Instrumentation Safety
- Introduction of Smart Meter status in North America
- Lecture on the RoHS / WEEE Directives Amendments and other environmental regulations
- Lecture in the Amendments on EuP Directives



(One of the JEMIMA seminars)

Other Activities

(1) Guideline on the Radiation Measurement

JEMIMA composed and published the "Guideline on Measurement of Radiation from Industrial Products". The Guideline greatly contributed to realize a quick and accurate measurement of radiation level to assure the consistent evaluation and to prevent "rumor damage".

(2) Materials Purchasing

JEMIMA performs researches and provide information to member companies on risk management in procurement of materials with focus on measures against credit instability such as supplier bankruptcy.

(3) Promotion of calibration service

Aimed at the development of the calibration service business of member companies, JEMIMA promotes spreading of the Japan Calibration Service System (JCSS), raising demand for it and solving problems related to the JCSS in cooperation with the National Institute for Advanced Industrial Science and Technology and the National Institute of Technology and Evaluation. When necessary, JEMIMA collects opinions of the industry and makes proposals to the administration.

The following publications are published and sold by JEMIMA.

Please visit JEMIMA website at <http://www.jemima.or.jp> to check the latest information on the publications.

Study Reports

Understanding Safety Instrumentation : Explanation of JIS C 0511 "Functional Safety -- Safety Instrumented Systems for the process industry sector" (Issued July 2009)
Hand Carry Procedural Manual, 6th Version (Issued July 2009)



Guidance on Security Export Control Applicability 2009 (Issued March 2009)
Guidance on Security Trade Control Parameter Sheets

Guidance on Security Trade Control Parameter Sheets

Handcarry Procedural Manual

Hand Carry Procedural Manual

Mid-term Forecast of Electric Measuring Instruments 2008 - 2012 (Issued December 2008)

Security Export Control Textbook for Clear Understanding - From ABC to Practical Operation, Version 2 (Issued January 2007)

Guidebook for Environmental Measuring Instruments, 6th Version (Issued October 2006)

Collection of Case-related to Techniques for Invention Exploration (Issued April 2006)

Guide for Explosion Proof Application for Applicants - Intrinsically Safe Explosion Proof (Issued March 2005)

Guide for Explosion proof Application for Applicants - Intrinsically Safe Explosion proof FISCO Model (Issued March 2005)

Guidelines for Contract for Architecture of Measurement and Control Systems (JEMIMA-01-01-2003) (Issued December 2003)

Guidelines for Architecture of Control and Monitoring Systems -From Planning to Entering into Contract (JEMIMA-01-01-2001) (Issued March 2002)

Manual for Operation of Indicating Instruments and AC-DC Transducers in JIS C 1010-1 (Issued May 2001)

Guide for Explosion proof Application for Applicants - Withstand Voltage and Explosion proof Structure (Issued March 1998)

JEMIMA Standards (JEMIS)

JEMIS 042-2003	Long-term Stability of a Magnetic Flow meter
JEMIS 041-2002	Face-to-Face Dimensions of a Magnetic Waterworks Meter
JEMIS 040-3-2002	Voltage Variation and Flicker Tolerable Value of Low-voltage Power Supply Systems Used in Industrial Process Measurement and Control Equipment Less Than 16 A in Rated Current
JEMIS 039-2002	Tolerable Values of Electromagnetic Wave Interference Characteristics of Industrial Process Measurement and Control Equipment and Measurement of Them
JEMIS 038-2006	JEMIMA Field Bus
JEMIS 037-11-1999	Testing Method for Voltage Dip, Instantaneous Interruption, and Voltage Variation Immunity of Industrial Process Measurement and Control Equipment
JEMIS 037-8-1998	Testing Method for Magnetic Field Immunity of Commercial Frequency for Industrial Process Measurement and Control Equipment
JEMIS 037-6-1997	Testing Method for Immunity of Conductive Radio Frequency Interference for Industrial Process Measurement and Control Equipment
JEMIS 036-1996	Surge Immunity Testing Method (Amendment 1)
JEMIS 036-1994	Immunity Testing Method for Measurement and Control Equipment
JEMIS 035-1990	General Rules for Indication of Process Analyzer Performance
JEMIS 034-2001	Temperature Measurement Method Using a Thermocouple and Resistance Temperature Sensor
JEMIS 033-1997	Environmental Guidelines for Installation of Microcomputer-applied Measurement and Control Equipment
JEMIS 032-1987	Flow Rate Measurement Method Using an Ultrasonic Flow meter
JEMIS 030-1986	Test Stylus for Process Measuring Instruments in Nuclear Power Plants
JEMIS 028-1998	Flow Rate Measurement Method Using a Vortex Flow meter
JEMIS 027-1985	Testing Method for Pressure and Differential Pressure Transmitters for Industrial Processes
JEMIS 026-1992	Glossary of Performance of Industrial Measuring Instruments
JEMIS 024-1984	Items Described in General Specifications of Industrial Measuring Instruments
JEMIS 022-1983	General Rules for Indication of Performance of Industrial Measuring Instruments
JEMIS 021-2000	Glossary of Environment Measurement Technology
JEMIS 020-1981	Clamp Ammeters
JEMIS 019-1980	AC-DC Transducers
JEMIS 018-1979	Meter Relays
JEMIS 017-2007	Environmental Conditions of Electric Standard Chambers
JEMIS 016-1992	Testing Method for Audible Frequency Oscillators
JEMIS 014-1977	Electrochemical Oxygen Leakage Detectors and Alarms
JEMIS 013-1977	Semiconductor-type Toxic Gas Leakage Detectors and Alarms
JEMIS 012-1977	Electrochemical Toxic Gas Leakage Detectors and Alarms
JEMIS 011-1977	Semiconductor-type Combustible Gas Leakage Detectors and Alarms
JEMIS 010-1977	Catalytic Combustion-type Combustible Gas Leakage Detectors and Alarms
JEMIS 001 to 009-1982	Front Painting Colors of Panel Instrumentation and others (002 to 004 withdrawn)

HISTORY

1948	JEMIMA established. Office set up at Ginza, Chiyoda-ku, Tokyo. Kansai Branch established. Office set up at Shimadzu Corporation at Nakagyo-ku, Kyoto Prefecture.	 <p>International Measurement Industry Exhibition 1985</p>	
1950	Head office relocated to 1-9-10, Toranomon, Minato-ku, Tokyo.		
1951	Measurement Law enacted.		
1955	Kansai Branch office relocated to 2-1-39, Dojima, Kita-ku, Osaka-city, Osaka Prefecture. First Measurement Industry Exhibition held (today's Measurement and Control Show Tokyo) in Tokyo.		
1956	Basis survey on automation conducted.		
1958	Product catalog published in English. Survey on export of electric measuring instruments started.		
1959	JEMIMA standards (JEMIS) established. JEMIMA starts to gather statistical data (for indicating meters). Measurement Industry Exhibition held in Yawata, Kyushu.		
1960	Plenary session to establish the JEMIMA as a legal corporate person held. JEMIMA is given the status of a public-service corporation.		 <p>JEMIMA's 50th anniversary</p>
1961	Product List of JEMIMA Members created. Survey on electric measuring instrument markets made.		
1962	Keisoku Kaikan Building completed.		
1963	First issue of the Bulletin published.		
1964	Recent Measuring and Control Equipment Handbook (Industrial Measuring Instrument Guidebook) published.		
1965	Survey on the basic situation of the electric measuring instrument industry made.		
1967	First electric instrument and measuring instrument exhibition (JEMIMA T & M) held in Nagoya.		
1968	Electric instrument and measuring instrument exhibition held in Tokyo.		
1974	First issue of the Outlook on the Electric Measuring Instrument Industry (currently Mid-term Forecast of Electric Measuring Instruments) published.		
1977	JEMIMA Newsletter issued.	 <p>IEC/TC45 Yokohama Plenary Meeting, 2009</p>	
1978	30th anniversary commemorated. (Booklet entitled "Thirty Years of the Industry of Electric Measuring Instruments" issued.)		
1979	First issue of the Environmental Measuring Instrument Guidebook published. First electric measuring instrument and new technology presentation / exhibition held in Sapporo.		
1981	Measurement Industry Exhibition renamed as the International Measurement Industry Exhibition. Seminars on electronic measuring instruments held in the United States.		
1983	Participated as a group at the 1983 Shen Yang Japan Exhibition for Automation Industrial Technology.		
1984	Dispatched a mission to China for technical exchange regarding environmental contamination measuring instruments.		
1985	Project for promoting maintenance and management of monitoring and measuring instruments started. Law related to basic technology development enacted. Summary report of the Electric Measuring Instrument Industry published.		
1987	Basic policy for observing export related laws developed.		
1988	Japan Electronics Measurement Exhibition internationalized. 40th anniversary commemorated.		
1989	French delegation received. Issuance of JEMIMA Exhibition Update launched.		
1990	First JEMIMA Kansai Measuring Plaza held.		
1991	Kansai Branch office relocated to the Denshi Kaikan, 6-8-7, Nishi Tenma, Kita-ku, Osaka-city, Osaka Prefecture.		
1993	JEMIMA authorized to issue certifications related to the taxation system for high levels of energy savings.		
1996	Seminar on measuring held at the Hanoi Institute of Technology (Vietnam).		
1997	International Measurement Industry Exhibition renamed as INTERMAC Held at the Tokyo International Exhibition Hall (Tokyo Big Sight). Meeting for international exchange with the Korea measuring instrument research consortium held in Seoul.		
1998	50th anniversary commemorated in May.		
1999	Y2K problem committee established. Research commissioned: Standardizing the standard interface protocols for electric measuring instruments		
2000	Internet Measurement Exhibition e-EXPO held. Research commissioned: Standardizing method of electronics transactions with continuous systems from design to manufacturing		
2003	Opened the MandC (Measurement and Control) portal site. INTERMAC renamed as the Measurement and Control Show. The Measurement and Control Show 2003 Tokyo held at Tokyo Big Sight.		
2004	Measurement and Control Show 2004 Osaka held at the Osaka International Convention Center (Grand Cube Osaka).		
2005	The international standard proposal ISO 13584-501 (standard for the procedure for registering a PLIB dictionary for measuring equipment) approved as an international standard.		
2006	First JEMIMA Committee Activities Report Meeting held. Measurement and Control Show 2006 Osaka held at the Osaka International Convention Center (Grand Cube Osaka).		
2007	JEMIMA head office relocated from Toranomon, Minato-ku, Tokyo to Shibadaimon, Minato-ku, Tokyo. Measurement and Control Show 2007 Tokyo held at Tokyo Big Sight.		
2008	Keisoku Kaikan Building constructed and inaugurated. JEMIMA head office relocated to Nihonbashi-Kaigaracho, Chuo-ku, Tokyo. JEMIMA symbol and logo renewed. JEMIMA website renewed. 60th anniversary commemorated. JEMIMA mid-term forecast published. IEC/TC65 plenary meeting held in Tokyo meeting. Measurement and Control Show 2008 Osaka held at the Osaka International Convention Center (Grand Cube Osaka).		
2009	2009 IEC/TC45 (Nuclear measurement) plenary meeting held in Yokohama. Measurement and Control Show 2009 Tokyo held at Tokyo Big Sight.		
2010	JEMIMA Session was held at the SICE Annual Conference Taipei Workshop Measurement and Control Show 2010 OSAKA was held at Grand Cube Osaka		

Members List

Regular Members (81 Companies)

(As of July 20, 2011) (Alphabetical Order)

A&D COMPANY LIMITED	HORIBA, LTD.	RIKEN KEIKI CO., LTD.
ABB BAILEY JAPAN LIMITED	HORIBA STEC, CO., LTD.	RION CO., LTD.
ACRORAD CO., LTD.	ISHIDA CO., LTD.	RKC INSTRUMENT INC.
AGILENT. TECHNOLOGIES JAPAN, LTD.	IWATSU TEST INSTRUMENTS CORP.	SHIBUKAWA KUWANO ELECTRIC CO., LTD.
ANRITSU CORPORATION.	KIKUSUI ELECTRONICS CORPORATION.	SHIMADEN CO., LTD.
ANRITSU METER CO., LTD.	KYORITSU ELECTRICAL INSTRUMENTS WORKS, LTD.	SHIMADZU SYSTEM SOLUTIONS CO., LTD.
ASASHI INDUSTRY CO., LTD.	KYOSAI TECHNOS CO.,LTD	SHINKAWA ELECTRIC CO., LTD.
CHINO CORPORATION.	KYOWA ELECTRONIC INSTRUMENTS CO., LTD.	SHINKO ELECTRIC CO., LTD.
CHUO ELECTRONICS CO., LTD.	KOKUYO ELECTRIC CO., LTD.	SHINKO TECHNOS CO., LTD.
DAIICHI ELECTRONICS CO., LTD.	LEADER ELECTRONICS CORP.	SONIC CORPORATION
DKK-TOA CORPORATION	MEIDENSHA CORPORATION	SUKEGAWA ELECTRIC CO., LTD.
EBARAJITSUGYO Co, Ltd.	MITSUBISHI ELECTRIC CORPORATION	TAKEMOTO DENKI CORPORATION.
EMERSON JAPAN, LTD.	MIWA ELECTRIC CO., LTD.	TAKASAGO, LTD.
EMIC CORPORATION.	MTT CORP.	TFF CORP.
ENDRESS+HAUSER JAPAN CO., LTD.	NEC AVIO INFRARED TECHNOLOGIES, CO., LTD.	TOKYO KEIKI INC.
ENDRESS+HAUSER YAMANASHI CO., LTD.	NEW COSMOS ELECTRIC CO., LTD.	TOKYO KEISO CO., LTD.
ENEGATE, CO., LTD.	NIKKE TECHNO SYSTEM CO., LTD.	TOM COMMUNICATION INDUSTRIAL CO., LTD.
ENERGY SUPPORT CORPORATION.	NF CORPORATION.	TOSHIBA CORPORATION
ETO DENKI CO.,	NOHKEN INC.	TOSHIBA TOKO METER SYSTEMS CO., LTD.
FUJI ELECTRIC CO., LTD.	OI ELECTRIC CO., LTD.	TOYO KEIKI CO., LTD.
FUKUDEN INC.	OKAZAKI MANUFACTURING CORPORATION.	TSUDA ELECTRIC METERS CO., LTD.
GE FUJI METERS CO., LTD.	OHKURA ELECTRIC CO., LTD.	TSURUGA ELECTRIC CORPORATION.
GRAPHTEC CORPORATION	OMRON CORPORATION.	YAMARI INDUSTRIES LIMITED
HAMAMATSU PHOTONICS K.K.	ONO SOKKI Co., LTD.	YAMATAKE CORPORATION
HIOKI E.E.CORPORATION	OSAKI ELECTRIC CO., LTD.	YASKAWA ELECTRIC CORPORATION
HITACHI ALOKA MEDICAL, LTD.	OVAL CORPORATION.	YOKOGAWA ELECTRIC CORPORATION
HITACHI HIGH-TECH TRADING CORPORATION	OYO ELECTRONICS, LTD.	YOKOGAWA METERS&INSTRUMENTS CORPORATION

Supporting Members (25 Companies and 7 Organizations)

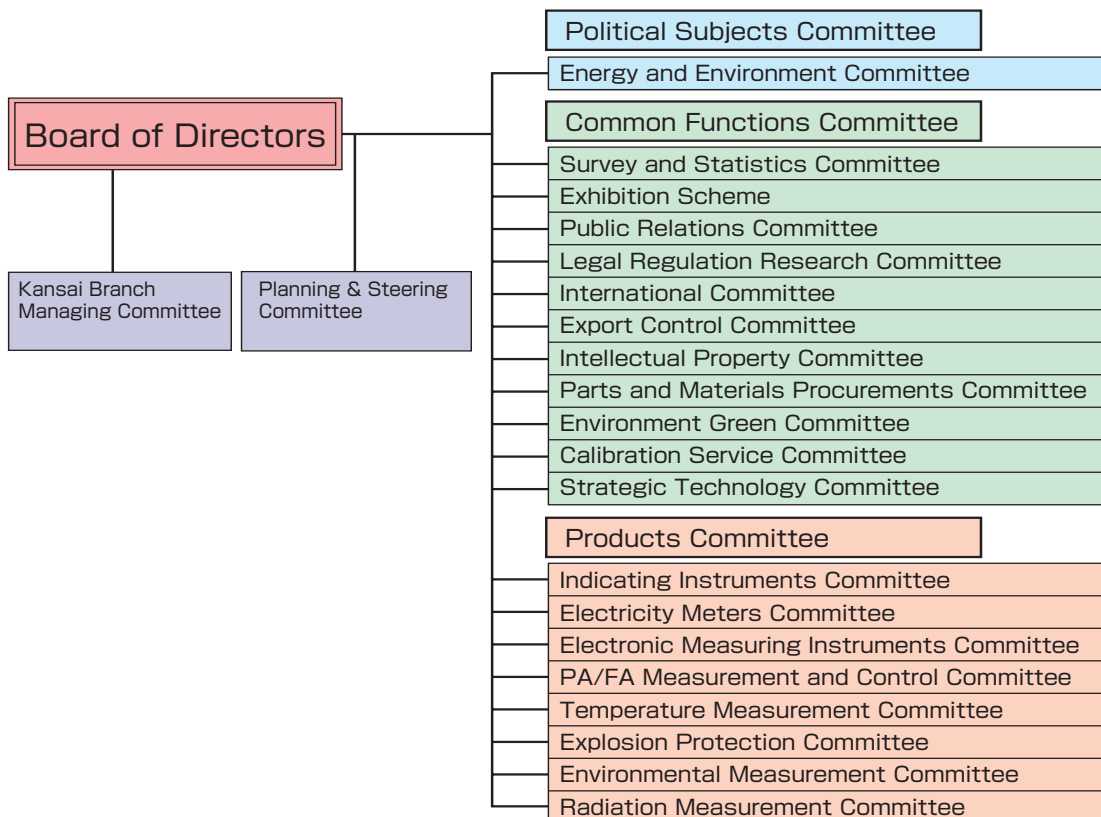
ABB K.K.	PEPPERL + FUCHS K.K.	JAPAN ELECTRIC MEASURING
ASAHI KOKUSAI TECHNEION CO., LTD.	PTT COMPANY LIMITED	INSTRUMENTS DISTRIBUTORS
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GE SENSING & INSPECTION	STACK ELECTRONICS CO., LTD.	COMPONENTS OF JAPAN
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(As of July 20, 2011)

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Organization Chart



Membership Information

▼Membership Qualification

Regular members: Corporate Enterprises in the manufacturing business of electric measuring instruments

Supporting members: Enterprises engaged in sales, import, export, lease, and rent of electric measuring instruments, enterprises dealing related parts and consumable products, enterprises in related services (maintenance, system engineering, and software), and groups associated with JEMIMA.

▼Membership Privileges

Regular members shall receive

- The latest information through committee activities.
- Regular-member price to exhibit at the Measurement and Control Show in Tokyo and Osaka
- Member prices for purchase of publications of JEMIMA and JEMIMA standards (JEMIS)
- Member prices for participation in JEMIMA seminars, lecture meetings, and other events
- The JEMIMA journal and e-mail magazine.
- Voting right at JEMIMA general meetings

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- Member prices for purchase of publications of JEMIMA and JEMIMA standards (JEMIS)
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Keisoku Kaikan Building

※For details on JEMIMA membership, please contact the JEMIMA Secretariat Office below.

Locations

<p>■ Head Office, Tokyo (Keisoku Kaikan Building)</p> <p>2-15-12 Nihonbashi-kakigara-cho, Chuo-ku, Tokyo zip-103-0014 Japan Tel +81-3-3662-8181 Fax +81-3-3662-8180</p> <p>Access by train</p> <ul style="list-style-type: none"> • 3 minutes' walk from No.5 exit of Suitengu station, Tokyo Metro, Hanzomon-line • 7 minutes' walk from A1 exit of Ningyo-cho station, Tokyo Metro, Hibiya-line • 10 minutes' walk from A3 exit of Ningyo-cho station, Toei Subway, Asakusa-line 	
<p>■ Kansai Branch Office</p> <p>8F Denshi Kaikan, 6-8-7, Nishi-Tenma, Kita-ku, Osaka, zip-530-0047 Japan Tel +81-6-6316-1741 Fax +81-6-6316-1751</p> <p>Access by train</p> <ul style="list-style-type: none"> • 15 minutes walk from Midosuji Minami exit, JR Osaka Station • 20 minutes walk from Central exit, Hankyu Line, Umeda Station • 10 minutes walk from South exit, Hanshin Line, Umeda Station • 9 minutes walk from North-East exit, Higashi Umeda Station • 15 minutes walk from North exit, Keihan Line, Yodoyabashi Station 	

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