## **TABLE OF CONTENTS**

Sect		age
l	TITLES AND ABSTRACTS OF NATIONAL AND INTERNATIONAL	
	INSTRUMENTATION STANDARDS	1
	Acoustical Society of America (ASA)	
	Air-Conditioning and Refrigeration Institute (ARI)	
	American Boiler Manufacturers Association (ABMA)	
	Air Movement and Control Association (AMCA)	
	Aluminum Association (AA)	
	American Association of Textile Chemists and Colorist (AATCC)	
	American Chemical Society (ACS)	
	American Conference of Governmental Industrial Hygienists (ACGIH)	
	American Gas Association (AGA)	
	American Gear Manufacturers Association (AGMA)	
	American Leather Chemists Association (ALCA)	
	American National Standards Institute (ANSI)	
	American Nuclear Society (ANS)	
	American Petroleum Institute (API)	
	American Society for Quality Control (ASQC)	
	American Society for Testing and Materials (ASTM)	
	American Society of Agricultural Engineers (ASAE)	. 22
	American Society of Heating, Refrigerating, and Air-	22
	Conditioning Engineers, Inc. (ASHRAE)	
	American Vacuum Society (AVS)	
	American Water Works Association (AWWA)	
	American Welding Society (AWS)	
	Anti-Friction Bearing Manufacturers Association, Inc. (AFBMA)	
	Association for the Advancement of Medical Instrumentation (AAMI)	
	Association of Official Analytical Chemists (AOAC)	
	The Chlorine Institute (CI)	
	Contractors Pump Bureau (CPB)	
	Cooling Tower Institute (CTI)	
	Diary and Food, 3A Sanitary Standards Committees (DFSSC)	
	Electronic Industries Association (EIA)	
	Factory Mutual System (FM)	
	Fluid Controls Institute, Inc. (FCI)	
	Gas Processors Association (GPA)	
	Illuminating Engineering Society (IES)	. 35
	Industrial Fasteners Institute (IFI)	
	Industrial Risk Insurers (IRI)	. 37
	Institute of Electrical and Electronics Engineers (IEEE)	. 37
	Institute of Environmental Sciences (IES)	. 40
	Institute of Interconnecting and Packaging Electronic Circuits (IPC)	. 41
	Instrument Society of America (ISA)	
	Insulated Cable Engineers Association, Inc. (ICEA)	. 46
	International Association of Plumbing and Mechanical Officials (IAPMO)	. 46
	International Conference of Building Officials (ICBO)	
	Manufacturers Standardization Society of the Valve and Fitting Industry (MSS)	
	Metal Powder Industries Federation (MPIF)	
	National Association of Pipe Coating Applicators (NAPCA)	
	National Association of Relay Manufacturers (NARM)	
	National Board of Boiler and Pressure Vessel Inspectors (NBBI)	
	National Bureau of Standards (NBS)	
	National Cable Television Association (NCTA)	
	National Council of Radiation Protection and Measurements (NCRP)	. 51

## **TABLE OF CONTENTS (Continued)**

Sec	tion Title	Page
	National Electrical Manufacturers Association (NEMA)	51
	National Environmental Balancing Bureau (NEBB)	53
	National Fire Protection Association (NFPA)	53
	National Fluid Power Association (NFLDP)	54
	Pipe Fabrication Institute (PFI)	57
	Plumbing and Drainage Institute (PDI)	
	Radio Technical Commission for Aeronautics (RTCA)	
	Range Commanders Council (RCC)	
	Resistance Welder Manufacturers Association (RWMA)	
	Scientific Apparatus Makers Association (SAMA)	
	Society of Automotive Engineers, Inc. (SAE)	
	Society of Motion Picture and Television Engineers (SMPTE)	
	The Society of Naval Architects and Marine Engineers (SNAME)	
	Spring Manufacturers Institute, Inc. (SMI)	
	Technical Association of the Pulp and Paper Industry (TAPPI)	
	Ultrasonic Industry Association, Inc. (UIA)	
	Underwriters' Laboratories, Inc. (UL)	
	INTERNATIONAL STANDARDIZATION	69
	International Organization of Standardization (ISO)	70
	International Electrotechnical Commission (IEC)	71
	National Standardizing Organizations	
II	SUBJECT INDEX TO SECTION I STANDARDS	79
Ш	INSTRUMENT SOCIETY OF AMERICA STANDARDS AND RECOMMENDED PRACTICES  Manometer Tables	
	Flange Mounted Sharp Edged Orifice Plates for Flow Measurement	
	Instrumentation Symbols and Identification	
	Binary Logic Diagrams for Process Operations	
	Graphic Symbols for Distributed Control/Shared Display Instrumentation,	. 33.2
		05.0
	Logic and Computer Systems	. \$5.3
	Instrument Loop Diagrams	. 85.4
	Pneumatic Control Circuit Pressure Test	
	Quality Standard for Instrument Air	. S7.3
	Air Pressures for Pneumatic Controllers, Transmitters, and Transmission	
	Systems	. S7.4
	Electrical Instruments in Hazardous Atmospheres	
	Instrument Purging for Reduction of Hazardous Area Classification	S12.4
	Installation of Intrinsically Safe Instrument Systems in Class I	
	Hazardous Locations	RP12.6

<sup>\*</sup>The Instrument Society of America standards and recommended practices are arranged in numerical order and are individually page numbered. The document titles appear in the upper right corner and document numbers appear in the upper left corner of each odd-numbered page.

## **TABLE OF CONTENTS (Continued)**

Section	on Title	Page
	Area Classification in Hazardous Dust Locations	S12.10
]	Electrical Instruments in Hazardous Dust Locations	S12.11
,	Terminology, Dimensions, and Safety Practices for Indicating Variable Area Meters	
	(Rotameters, Glass Tube, Metal Tube, Extension Type Glass Tube) RP1	6.1,2,3
]	Nomenclature and Terminology for Extension Type Variable Area Meters	
	(Rotameters	RP16.4
	Installation, Operation, Maintenance Instructions for Glass Tube Variable Area Meters	
	(Rotameters)	RP16.5
	Methods and Equipment for Calibration of Variable Area Meters	
	(Rotameters).	RP16.6
	Annunciator Sequences and Specifications	. S18.1
į.	Specification Forms for Process Measurement and Control Instruments,	
	Primary Elements and Control Valves	S20
	Materials for Instruments in Radiation Service	RP25.1
	Dynamic Response Testing of Process Control Instrumentation	S26
	Specification, Installation, and Calibration of Turbine Flowmeters	RP31.1
	Electrical Transducer Nomenclature and Terminology	. S37.1
	Guide for Specifications and Tests for Piezoelectric Acceleration	
	Transducers for Aerospace Testing	RP37.2
,	Specifications and Tests for Strain Gage Pressure Transducers	. S37.3
	Specifications and Tests for Strain Gage Linear Acceleration Transducers	. S37.5
	Specifications and Tests of Potentiometric Pressure Transducers	. S37.6
	Specifications and Tests for Strain Gage Force Transducers	. S37.8
	Specifications and Tests for Piezoelectric Pressure and Sound-Pressure	
	Transducers	
	Specification and Test for Potentiometric Displacement Transducers	S37.12
	Nomenclature for Instrument Tube Fittings	RP42.1
	Compatibility of Analog Signals for Electronic Industrial Process Instruments	. S50.1
	Process Instrumentation Terminology	. S51.1
	Recommended Environments for Standard Laboratories	
	Hardware Testing of Digital Process Computers	
	Electrical Guide for Control Centers	
	Piping Guide for Control Centers	RP60.9
	Industrial Computer System FORTRAN Procedures for Executive Functions,	
	Process Input-Output and Bit Manipulation	
	Industrial Computer System FORTRAN Procedures for File Access and the	
	Control of File Contention	
	Transducer and Transmitter Installation for Nuclear Safety Applications	S67.01
	Nuclear-Safety-Related Instrument Sensing Line Piping and Tubing	
	Standards for Use in Nuclear Power Plants	S67.02
	Standard for Light Water Reactor Coolant Pressure Boundary	
	Leak Detection	S67.03
	Setpoints for Nuclear Safety-Related Instrumentation Used in	
	Nuclear Power Plants	
	Control Valve Sizing Equations	
	Control Valve Capacity Test Procedure	S75.02
	Uniform Face-to-Face Dimensions for Flanged Globe Style Control	
	Valve Bodies	
	Face-to-Face Dimensions of Flangeless Control Valves	
	Control Valve Manifold Designs I	
•	Temperature Measurement Thermocouples	MC96.1