

CURRENT INDUSTRIAL REPORTS SERIES

2008

MA334T — METERS AND TEST DEVICES

DEFINITIONS AND SPECIAL INSTRUCTIONS

1. Scope of this survey

This survey covers the manufacture of meters and test devices and related products.

2. Figures to be reported

Companies with more than one establishment manufacturing the products covered by this survey are requested to complete a separate report form for each location. If you have not received a separate form for each of your establishments, please call the contact shown on the report form or write to the U.S. Census Bureau for additional forms. If you prefer reporting on a domestic consolidated basis, please call the contact shown on the report form.

a. Value of Shipments

The figures on value of shipments should include the physical shipments of all products sold, transferred to other establishments within your company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges and returns. Shipments to your own branches should be assigned the same value as comparable sales to unaffiliated customers, i.e., the value includes an appropriate allocation of company overhead and profit. Products bought and resold without further manufacture should not be included in shipments.

Report value of shipments in thousands of dollars.

Include:

- All shipments, whether for domestic use or for export
- Shipments on consignments as well as for sale

- Interplant transfers in which products are shipped from one plant of your company to another plant or sales branch
- Private brand units as well as your own company brand units

Exclude:

- Products manufactured for you by others
- Products bought and resold without further manufacture by your company
- Imports which are reshipped without further domestic manufacture

b. Research and Development

Dollar shipments should reflect income from development, design, and engineering services performed by the reporting plant in connection with the manufacture of the products shipped, whether included in a single production contract, or contracted for separately, but intended as preparation for the manufacture of the specific products.

c. Columnar structure of report

When entering your figures on the report, please be sure to report the information in the correct columns as follows:

Column 1 – Value (report shipments in thousand of dollars. (Example: \$1,000,000, report as \$1,000)

3. Definitions

The product detail for this survey, as shown in the Reference List is defined according to standard nomenclature for this industry.

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4. Comparability

Data reported in this survey should correspond to data reported in the Annual Survey of Manufacturers form. The sum of values for item codes shown in column (a) should correspond to dollar values reported under product codes indicated in column (b) below.

Current Industrial Reports (Form MA334T) Item codes (a)	Annual Survey of Manufactures Product class codes (b)
5408 through 5425	3345141
5511 through 5515	3345143
5611 through 5631	3345151
5704 through 5849	3345154
6017 through 6057	3345155
6201 through 6216	3345194
7005 through 7039	3345195
7205 through 7220	3345197

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REFERENCE LIST

FORM MA334T		
Product code	Item code	Item Description
		INTEGRATING AND TOTALIZING METERS FOR GAS AND LIQUIDS
3345141108	5408	Gas meters, consumption registering
3345141116	5421	Liquid meters, positive displacement with registers and counters
3345141119	5425	Parts, components, and accessories for gas and liquid meters
3345141	5429	Total integrating and totalizing meters for gas and liquids (sum of item codes 5408–5425)
		COUNTING DEVICES
3345143104	5511	Mechanical, electrical, and electronic input counting devices
3345143108	5515	All other counting devices, including parts (toll meters, fare collection equipment systems, parking lot systems, taximeters, parking meters, etc.)
3345143	5529	Total counting devices (sum of item codes 5511 and 5515)
		INTEGRATING INSTRUMENTS, ELECTRICAL
3345151104	5611	A.C. watt meters
3345151105	5621	Demand meters
3345151107	5625	Other electrical integrating meters
3345151109	5631	Parts and accessories for integrating meters
3345151	5639	Total integrating instruments, electrical (sum of item codes 5611–5631)
		TEST EQUIPMENT FOR TESTING ELECTRICAL RADIO AND COMMUNICATION CIRCUITS AND MOTORS
3345154102	5704	Voltage, current, and resistance measuring equipment
3345154111	5711	Multimeters
3345154114	5714	Power and energy measuring equipment
3345154126	5729	Waveform measuring and/or analyzing equipment
3345154136	5739	Signal generating equipment
3345154141	5748	Field strength and intensity measuring equipment
3345154149	5759	Automatic test and measuring equipment: Combination and/or group test sets Component part test sets:
		Semiconductor component test equipment:
3345154153	5762	Memory
3345154157	5764	Microprocessor
3345154159	5765	Other semiconductor component test equipment
3345154161	5766	Loaded circuit board test equipment
3345154163	5767	Other component part test sets and equipment
3345154165	5769	Equipment and subassembly test equipment
3345154168	5775	Standards and calibration equipment

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REFERENCE LIST – Continued

FORM MA334T		
Product code	Item code	Item Description
TEST EQUIPMENT FOR TESTING ELECTRICAL RADIO AND COMMUNICATION CIRCUITS AND MOTORS – Continued		
3345154175	5782	Communications test equipment
3345154179	5784	Network analyzers
3345154183	5786	Fiber optics
3345154185	5787	Microwave
3345154196	5817	Other communications test equipment
3345154197	5849	Other test equipment
3345154	5899	Parts and components for test equipment
3345154	5899	Total test equipment for testing electrical radio and communication circuits and motors (sum of item codes 5704–5849)
OTHER INSTRUMENTS TO MEASURE ELECTRICITY		
3345155114	6017	Electrical indicating instruments: panel type
3345155121	6024	Electrical indicating instruments: portable
3345155124	6036	Electrical recording instruments
3345155127	6037	Other instruments to measure electricity
3345155135	6057	Parts and accessories for indicating and recording instruments
3345155	6059	Total other instruments to measure electricity (sum of item codes 6017–6057)
PHYSICAL PROPERTIES TESTING AND INSPECTION EQUIPMENT AND KINEMATIC TESTING AND MEASURING EQUIPMENT		
Physical properties testing equipment, including hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar testing equipment:		
3345194101	6201	For testing of metals
3345194104	6204	Other, including parts
Physical properties inspection equipment, including flaw detection, thickness measuring, and similar inspection equipment:		
3345194107	6207	For testing of metals
3345194109	6210	Measuring and checking flow of fluids
3345194112	6215	Other, including parts
3345194116	6216	Kinematic testing and measuring equipment, including parts (including vibration, acceleration, and other motion testing equipment)
3345194	6229	Total physical properties testing and inspection equipment and kinematic testing and measuring equipment (sum of item codes 6201–6216)

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REFERENCE LIST – Continued

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Product code	Item code	Item Description
NUCLEAR RADIATION DETECTION AND MONITORING INSTRUMENTS		
3345195105	7005	Nuclear monitoring instruments (include environment, personal dosimetry, and medical monitors)
3345195125	7035	Nuclear instrument modules
3345195126	7036	Radiation detecting elements, nuclear power supplies, and measuring and control devices that use beta, gamma, or neutron gauge technology
3345195127	7037	Other nuclear radiation detection and monitoring instruments
3345195129	7039	Parts and components for nuclear radiation and detection and monitoring instruments
3345195	7049	Total nuclear radiation detection and monitoring instruments (sum of item codes 7005–7039)
COMMERCIAL, GEOPHYSICAL, METEOROLOGICAL, AND GENERAL PURPOSE INSTRUMENTS AND EQUIPMENT		
3345197119	7205	Thermometers (all kinds)
3345197124	7210	Meteorological electronics equipment and instruments
3345197127	7215	Seismic instruments
3345197135	7220	All other instruments not listed above, including compasses, altimeters, humidity indicating and recording instruments, environmental gas detectors, air sampling instruments, dynamometers, etc.
3345197	7297	Total commercial, geophysical, meteorological, and general purpose instruments and equipment (sum of item codes 7205–7220)
SELECTED NONMANUFACTURING REVENUES		
9999998900	9945	Resales—Sales of products bought and sold without further manufacture, processing, or assembly
9999998041	9970	Receipts for research and development work

NOTES: