

U.S. Census Bureau
Meters and Test Devices - 2007
MA334T(07)
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Address inquiries concerning these data to Investment Goods Industries Branch, U.S. Department of Commerce, Census Bureau, Manufacturing and Construction Division, Washington, DC 20233-6900, or call Jesse Dawson, 301-763-4746.

These data are also available online through STAT-USA by subscription. For further information, visit <http://www.stat-usa.gov/> or call 1-800-STAT-USA.

Table 1. Value of Shipments of Meters and Test Devices: 2003 to 2007
 [Millions of dollars]

Product class	Product description	2007	2006	2005	2004	2003
3345141	Integrating and totalizing meters for gas and liquids.....	1,849.0	1,584.8	1,449.4	1,427.5	1,329.2
3345143	Counting devices.....	508.8	r/ 533.6	475.6	506.9	504.8
3345151	Integrating instruments, electrical.....	876.3	r/ 872.1	601.6	502.5	547.7
3345154	Test equipment for testing electrical, radio and communication circuits, and motors.....	8,641.9	9,390.7	9,226.5	9,325.7	9,084.5
3345155	Instruments to measure electricity.....	426.2	r/ 407.5	406.7	331.9	389.7
3345194	Physical properties and kinematic testing equipment.....	2,062.5	1,906.9	1,801.4	1,732.9	1,581.3
3345195	Nuclear radiation detection and monitoring instruments.....	696.1	635.2	601.2	592.4	534.4
3345197	Commercial, geophysical, meteorological, and general purpose instruments	2,274.3	1,864.0	1,596.8	1,367.1	1,290.3

r/Revised by 5 percent or more from previously published data.

Table 2. Value of Shipments of Meters and Test Devices: 2007 and 2006
 [Value in thousands of dollars]

Product code	Product description	No. of cos.	2007		2006
3345141	Integrating and totalizing meters for gas and liquids.....	34	1,849,008	a/	1,584,761
3345141108	Gas meters, consumption registering.....	9	283,397	r/	254,800
3345141116	Liquid meters, positive displacement with registers and counters.....	25	1,119,133		930,826
3345141119	Parts, components, and accessories for gas and liquid meters, sold separately.....	26	446,478	b/r/	399,135
3345143	Counting devices, excluding motor vehicle instruments vehicle instruments.....	41	a/ 508,816	r/	533,601
3345143104	Mechanical, electrical, and electronic input counting devices.....	32	b/ 146,890	r/	138,933
3345143108	All other counting devices, including parts (toll meters, fare collection equipment systems, parking lot systems, taximeters, parking meters, etc.	18	361,926		394,668
3345151	Integrating instruments, electrical.....	19	b/ 876,294	r/	872,095
3345151104	A.C. watt meters.....	7	a/ 272,234		379,353
3345151105	Demand meters.....	9	a/ 231,181		210,665
3345151107	Other electrical integrating meters.....	8	b/ 235,968		(D)
3345151109	Parts and accessories for integrating meters.....	10	a/ 136,911		(D)
3345154	Total test equipment for testing electrical, radio and communication circuits, and motors.....	237	b/ 8,641,912		9,390,706
3345154102	Voltage, current, and resistance measuring equipment.....	41	b/ 336,613	r/	295,611
3345154111	Multimeters.....	13	103,997		230,795
3345154114	Power and energy measuring equipment.....	14	80,745		70,409
3345154126	Waveform measuring and/or analyzing equipment, including oscilloscopes and spectrum analyzers.....	27	1,260,568	r/	1,239,597
3345154136	Signal generating equipment.....	25	a/ 168,030		229,851
3345154141	Field strength and intensity measuring equipment.....	14	74,928	r/	70,078
	Impedance and standing wave ratio measuring equipment (transfer function measuring equipment):				
	Automatic test and measuring equipment:				
3345154149	Combination and/or group test sets.....	40	c/ 1,497,614		1,472,813
	Component part test sets:				
	Semiconductor component test equipment:				
3345154153	Memory.....	10	35,738	r/	32,107
3345154157	Microprocessor.....	13	b/ 1,008,021	b/r/	1,335,797
3345154159	Other semiconductor component test equipment.....	21	c/ 1,408,195	a/t/	1,377,392
3345154161	Loaded circuit board test equipment.....	12	136,827	r/	288,258
3345154163	Other component part test sets and equipment.....	16	b/ 152,560		204,341
3345154165	Equipment and subassembly test equipment.....	9	b/ 182,870		212,197
3345154168	Standards and calibration equipment.....	24	a/ 161,634	a/	180,775
	Communications test equipment:				
3345154175	Network analyzers.....	11	b/ 526,971		546,600
3345154179	Fiber optics.....	4	a/ 19,242		64,831
3345154183	Microwave.....	6	c/ 46,485	b/t/	60,521
3345154185	Other communications test equipment.....	21	406,536		529,467
3345154196	Other test equipment.....	70	a/ 757,074		731,280
3345154197	Parts and components for test equipment.....	37	277,264		217,986
3345155	Total other instruments to measure electricity:	58	b/ 426,222	r/	407,499
3345155114	Electrical indicating instruments: panel type.....	15	46,936	r/	51,414
3345155121	Electrical indicating instruments: portable.....	15	c/ 126,269	r/	103,513
3345155124	Electrical recording instruments.....	20	99,065		91,419
3345155127	Other instruments to measure electricity.....	10	(S)		(D)
3345155135	Parts and accessories for indicating and recording instruments.....	24	(S)		(D)

Table 2. Value of Shipments of Meters and Test Devices: 2007 and 2006
 [Value in thousands of dollars]

Product code	Product description	No. of cos.		2007		2006
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment.....	134	a/	2,062,482	a/	1,906,876
	Physical properties testing equipment, including hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar testing equipment, including components and sold separately:					
3345194101	For testing of metals.....	23		561,501		523,370
3345194104	Other, including parts.....	49	a/	151,026	a/	498,967
	Physical properties inspection equipment, including flaw detection, thickness measuring, and similar detection equipment:					
3345194107	For testing of metals.....	17	c/	216,886	b/r/	233,442
3345194109	Measuring and checking flow of fluids.....	17		133,624	r/	72,907
3345194112	Other, including parts.....	44		382,978		351,773
3345194116	Kinematic testing and measuring equipment, including parts (including vibration, acceleration, and other motion testing equipment).....	28	a/	252,467		226,417
3345195	Nuclear radiation detection and monitoring instruments.....	31	a/	696,093		635,219
3345195105	Nuclear monitoring instruments, (include environment, personal dosimetry, and medical monitors).....	11		252,760		185,439
3345195125	Nuclear instrument modules, n.e.c.	10	a/	63,889	a/r/	54,409
3345195126	Radiation detecting elements, nuclear power supplies, and measuring and control devices that use beta, gamma, or neutron gauge technology.....	21	a/	157,670		168,385
3345195127	Other nuclear radiation detection and monitoring instruments.....	18	b/	179,482	a/r/	186,842
3345195129	Parts and components for nuclear radiation and detection and monitoring instruments.....	12	b/	42,292	b/	40,504
3345197	Commercial, geophysical, meteorological, and general-purpose instruments.....	95		2,274,314	a/	1,863,978
3345197119	Thermometers (all kinds).....	34	b/	278,918	a/	181,381
3345197124	Meteorological electronics equipment and instruments.....	32	b/	474,703		433,990
3345197127	Seismic instruments.....	9	b/	667,755	b/	460,845
3345197135	All other instruments not listed above, including compasses, altimeters, humidity indicating and recording instruments, environmental gas detectors, air sampling instruments, dynamometers, etc.	79		852,938		787,762

D Withheld to avoid disclosing data for individual companies. n.e.c. Not specified by kind. r/Revised by 5 percent or more from previously published data.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item has been estimated. b/26 to 50 percent of this item has been estimated. c/Over 50 percent of this item has been estimated.

Table 3. Shipments, Exports and Imports of Meters and Test Devices: 2007
 [Value in thousands of dollars]

Product code	Product description	Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise (value at port) 1/	Imports for consumption 2/ (value) 3/
3345141108	Gas meters, consumption registering (except parts).....	283,397	48,622	17,274
3345141116	Liquid meters (except parts).....	1,119,133	75,445	12,730
3345141119	Parts, components, and accessories for gas and liquid meters, sold separately.....	446,478	105,251	240,560
3345143104, 108	Counting devices, n.e.c., including taxi meters, parking meters and parts.....	508,816	117,111	286,249
3345151	Electricity meters.....	876,294	166,155	157,262
3345154102	Voltage, current, and resistance measuring equipment.....	336,613	128,842	356,744
3345154111	Multimeters.....	103,997	78,703	99,582
3345154136	Signal generating equipment.....	168,030	155,178	64,924
3345154126, 141 149,153, 157 159, 161, 163 165, 168, 175 179, 183, 185 196	Test equipment for testing multimeters, electrical, radio and communication circuits, and motors, n.e.c.	7,675,263	3,105,029	1,078,784
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment.....	2,062,482	411,110	150,196
3345195	Nuclear radiation detection and monitoring instruments and equipment.....	696,093	434,638	176,340
3345197119	Thermometers.....	278,918	132,203	263,600
3345197127	Seismic instruments.....	667,755	13,867	26,424

n.e.c. Not elsewhere classified.

1/Source: Census Bureau report, EM 545, U.S. Exports.

2/Source: Census Bureau report, IM 145, U.S. Imports for Consumption.

3/Value represents the c.i.f. (cost, insurance, and freight) value at first port of entry in the United States plus import duties.

Table 4. Comparison of North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2007

Product code	Product description	Export code 1/	Import code 2/
3345141108	Gas meters, consumption registering (except parts).....	9028.10.0000	9028.10.0000
3345141116	Liquid meters (except parts).....	9028.20.0000	9028.20.0000
334514119	Parts, components, and accessories for gas and liquid meters, sold separately.....	9028.90.0080	9028.90.0080
3345143104, 108	Counting devices, n.e.c., including taxi meters, parking meters and parts.....	9106.20.0000 9029.10.0000 9029.90.0000	9106.20.0000 9029.10.4000 9029.10.8000 9029.90.2000 9029.90.8080
3345151	Electricity meters.....	9028.30.0000	9028.30.0000
3345154102	Voltage, current, and resistance measuring equipment (except multimeters).....	9030.39.0040	9030.39.0040
3345154111	Multimeters.....	9030.31.0000 9030.32.0000	9030.31.0000 9030.32.0000
3345154136	Signal generating equipment.....	8543.20.0000	8543.20.0000
3345154126, 141, 149,153, 157, 159, 161, 163, 165, 168, 175, 179, 183, 185, 196	Test equipment for testing multimeters, electrical, radio and communication circuits, and motors, n.e.c.	9029.20.6000 9030.82.0000 9030.90.8010 9030.90.8020 9030.90.8030 9030.90.8040 9030.90.8050 9030.90.8060	9029.20.6000 9030.82.0000 9030.90.2500 9030.90.4500 9030.90.6400 9030.90.6800 9030.90.8400 9030.90.8811 9030.90.8821 9030.90.8831 9030.90.8840 9030.90.8856 9030.90.8861 9031.80.8060
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment.....	9024.10.0000 9024.80.0000 9024.90.0000	9024.10.0000 9024.80.0000 9024.90.0040 9024.90.0080
3345195	Nuclear radiation detection and monitoring instruments and equipment.....	9030.10.0000 9030.90.4000	9030.10.0000
3345197119	Thermometers.....	9025.11.2000 9025.11.4000 9025.19.8040	9025.11.4000 9025.19.8080
3345197127	Seismic instruments.....	9015.80.6000	9015.80.6000

n.e.c. Not elsewhere classified.

1/Source: 2007 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2007).

HISTORICAL NOTE

The Census Bureau has collected data on selected instruments and related products since 1961 on survey MA334B.

Beginning in 2005, a portion of data for MA334B, Selected Instruments and Related Products, will be published under the new survey MA334D, Defense, Navigational and Aerospace Electronics. Additional data for MA334B can be found on surveys MA334A, Analytical and Biomedical Instruments, MA334C, Control Instruments, and MA334T, Meters and Test Devices.

Historical Current Industrial Reports data may be obtained from a Federal Depository Library. To locate a Federal Depository Library in your area, please visit <http://www.gpoaccess.gov/libraries.html>.