

U.S. Census Bureau
Meters and Test Devices - 2010
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Table 1. Value of Shipments of Meters and Test Devices: 2010 to 2006
 [Millions of dollars]

Product class code	Product description	Year		Value
3345141	Integrating and totalizing meters for gas and liquids	2010		2,308.3
		2009	r/	2,307.9
		2008		2,314.1
		2007		2,123.6
		2006		1,584.8
3345143	Counting devices	2010	b/	627.2
		2009		588.2
		2008		579.7
		2007	a/	576.3
		2006		533.6
3345151	Integrating instruments, electrical	2010	a/	1,631.0
		2009	b/	1,221.0
		2008	c/	1,087.5
		2007	b/	962.9
		2006		872.1
3345154	Equipment for testing electrical, radio and communication circuits, and motors	2010	a/	8,360.8
		2009	a/	5,955.4
		2008		8,033.3
		2007		8,736.4
		2006		9,390.7
3345155	Instruments to measure electricity	2010	a/	276.0
		2009	b/r/	278.1
		2008	b/	336.1
		2007	a/	318.5
		2006		407.5
3345194	Physical properties and kinematic testing equipment	2010	a/	2,023.6
		2009	a/r/	1,881.4
		2008	b/	2,079.1
		2007		2,130.1
		2006		1,906.9
3345195	Nuclear radiation detection and monitoring instruments	2010	a/	696.8
		2009	a/	757.1
		2008	c/	898.8
		2007		842.9
		2006		635.2
3345197	Commercial, geophysical, meteorological, and general purpose instruments	2010		1,998.9
		2009	b/	2,128.2
		2008	b/	2,591.7
		2007		2,315.6
		2006		1,864.0

Table 2. Value of Shipments of Meters and Test Devices: 2010 and 2009
 [Value in thousands of dollars]

Product code	Product description	Year	Companies	Value
3345141	Integrating and totalizing meters for gas and liquids	2010	(X)	2,308,316
		2009	r/	2,307,931
3345141108	Gas meters, consumption registering	2010	13	375,863
		2009		328,509
3345141116	Liquid meters, poitive displacement with registers and counters	2010	22	1,399,583
		2009	a/	1,336,394
3345141119	Parts, components, and accessories for gas and liquid meters, sold separately	2010	22	532,870
		2009	r/	643,028
3345143	Counting devices, excluding motor vehicle instruments	2010	(X)	627,235
		2009	b/	588,218
3345143104	Mechanical, electrical, and electronic input counting devices	2010	30	224,079
		2009	r/	216,069
3345143108	All other counting devices, including parts (toll meters, fare collection equipment systems, parking lot systems, taximeters, parking meters, etc.)	2010	15	403,156
		2009	c/	372,149
3345151	Integrating instruments, electrical	2010	(X)	1,631,026
		2009	b/	1,221,017
3345151104	A.C. watt meters	2010	8	(D)
		2009		(D)
3345151105	Demand meters	2010	9	826,173
		2009	b/r/	419,632

3345151107	Other electrical integrating meters	2010	10		(D)
		2009		c/	410,708
3345151109	Parts and accessories for integrating meters	2010	8		(D)
		2009			(D)
3345154	Equipment for testing electrical, radio and communication circuits, and motors	2010	(X)	a/	8,360,796
		2009		a/	5,955,435
3345154102	Voltage, current, and resistance measuring equipment	2010	39	b/	480,388
		2009		a/	443,468
3345154111	Multimeters	2010	11		(D)
		2009		r/	83,022
3345154114	Power and energy measuring equipment	2010	13		(D)
		2009			69,545
3345154126	Waveform measuring and/or analyzing equipment, including oscilloscopes and spectrum analyzers	2010	21		1,118,160
		2009			907,988
3345154136	Signal generating equipment	2010	20	b/	124,045
		2009		c/	139,180
3345154141	Field strength and intensity measuring equipment	2010	11		(S)
		2009		c/	89,661
3345154149	Combination and/or group automatic test sets and measuring equipment	2010	31		413,860
		2009			1,068,811
3345154153	Memory semiconducting test equipment	2010	5		(D)
		2009			33,251

3345154157	Microprocessor semiconducting test equipment	2010 2009	7	r/	668,412 325,790
3345154159	Other semiconducting test equipment	2010 2009	14	c/ a/	370,437 685,660
3345154161	Loaded circuit board test equipment	2010 2009	12		(D) (S)
3345154163	Other component part test sets and equipment	2010 2009	12	c/	109,551 109,348
3345154165	Test equipment and sub-assembly test equipment	2010 2009	10		180,514 144,524
3345154168	Standards and calibration equipment	2010 2009	19		198,356 182,296
3345154175	Network analyzers	2010 2009	8	a/	1,063,347 462,782
3345154179	Fiber optics test equipment	2010 2009	3		(D) (D)
3345154183	Microwave test equipment	2010 2009	3		(D) (D)
3345154185	Other communications test equipment	2010 2009	19	c/ c/	257,116 315,637

3345154196	Other test equipment	2010	65	a/	623,857
		2009		a/t/	595,118
3345154197	Parts and components for test equipment	2010	39		210,892
		2009			169,348
3345155	Total instruments to measure electricity	2010	(X)	a/	276,024
		2009		b/t/	278,119
3345155114	Panel type electrical indicating instruments	2010	15		33,938
		2009		r/	33,858
3345155121	Portable electrical indicating instruments	2010	15		75,997
		2009		c/	50,033
3345155124	Electrical recording instruments	2010	15	c/	65,623
		2009		a/	70,888
3345155127	Other instruments to measure electricity	2010	13		47,488
		2009		a/t/	77,038
3345155135	Parts and accessories for indicating and recording instruments	2010	16	c/	52,978
		2009		c/	46,302
3345194	Physical properties testing and inspection equipment and kinematic testing and measuring equipment	2010	(X)	a/	2,023,623
		2009		a/t/	1,881,362
3345194101	Physical property testing equipment for metals including those that test for hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar properties	2010	23	b/	438,245
		2009		a/t/	452,112
3345194104	Physical property testing equipment for other matter including those that test for hardness, tensile, stress, strain, abrasion, strength, torsion, wear, and similar properties	2010	47	a/	536,514
		2009		a/t/	581,736

3345194107	Physical property inspection equipment for metals including those that inspect for flaw detection, thickness, measuring, and similar properties	2010 2009	13		(S) (S)
3345194109	Physical property inspection equipment for measuring and checking the flow of fluids includes flaw detection, thickness measuring, and similar properties	2010 2009	15	r/	124,643 160,060
33451994112	Physical property inspection equipment for measuring and checking other matter including flaw detection, thickness measuring, and similar detection equipment	2010 2009	39		382,183 253,258
3345194116	Kinematic testing and measuring equipment that includes vibration, acceleration, and other motion testing equipment	2010 2009	26	r/	291,638 230,433
3345195	Nuclear radiation detection and monitoring instruments	2010 2009	(X)	a/ a/	696,769 757,061
3345195105	Nuclear monitoring instruments including environment, personal dosimetry, and medical monitors	2010 2009	15	b/	214,671 206,203
3345195125	Nuclear instrument modules, n.e.c.	2010 2009	8	b/ b/	106,830 93,427
3345195126	Radiation detecting elements, nuclear power supplies, and measuring and control devices that use beta, gamma, and neutron gauge technology	2010 2009	15		141,506 130,754
3345195127	Other nuclear radiation detection and monitoring instruments	2010 2009	15	a/	145,988 140,524
3345195129	Parts and components for nuclear radiation detection and monitoring instruments	2010 2009	14	c/ a/	87,774 186,153
3345197	Commercial, geophysical, meteorological, and general- purpose instruments	2010 2009	(X)	b/	1,998,913 2,128,212

3345197119	Thermometers (all kinds)	2010	33		(D)
		2009		r/	285,776
3345197124	Meteorological electronics equipment and instruments	2010	26	a/	411,215
		2009		c/r/	507,461
3345197127	Seismic instruments	2010	6		(D)
		2009		c/	493,677
3345197135	All other instruments not listed above, including compasses, altimeters, humidity indicating and recording instruments, environmental gas detectors, air sampling instruments, dynamometers, etc.	2010	71	a/	825,332
		2009		r/	841,298

Table 3. Shipments, Exports and Imports of Meters and Test Devices: 2009 and 2010
 [Value in thousands of dollars]

Product code 1/	Product description	Year		Manufacturers' shipments (value f.o.b. plant)	Exports of domestic merchandise 2/ (value at port) 3/	Imports for consumption (value) 4/
3345141108	Gas meters, consumption registering (except parts)	2010		375,863	58,839	21,816
		2009		328,509	38,842	21,127
3345141116	Liquid meters (except parts)	2010		1,399,583	108,149	45,006
		2009	a/	1,336,394	86,079	39,476
3345141119	Parts, components, and accessories for gas and liquid meters, sold separately	2010		532,870	137,818	232,321
		2009	r/	643,028	116,181	217,828
334514310T	Counting devices including taxi meters, parking meters and parts	2010	b/	627,235	143,046	344,431
		2009		588,218	104,721	292,197
334515100T	Electricity meters	2010	a/	1,631,026	165,268	401,156
		2009	b/	1,221,017	173,542	397,498
3345154102	Voltage, current, and resistance measuring equipment	2010	b/	480,388	611,050	303,463
		2009	a/	443,468	488,189	250,298
3345154111	Multimeters	2010		(D)	81,039	96,888
		2009	r/	83,022	68,428	81,801
3345154136	Signal generating equipment	2010	b/	124,045	140,308	58,090
		2009	c/	139,180	114,251	52,572
334515412T	Equipment for testing multimeters, electrical, radio and communication circuits, and motors	2010		7,350,132	2,006,079	804,943
		2009	a/	5,050,872	1,286,159	529,624
334519400T	Physical properties testing and inspection equipment and kinematic testing and measuring equipment	2010	a/	2,023,623	2,760,898	101,252
		2009	a/r/	1,881,362	2,509,552	93,733
334519500T	Nuclear radiation detection and monitoring instruments and equipment	2010	a/	696,769	458,910	166,408
		2009	a/	757,061	416,739	159,699

3345197119	Thermometers	2010		(D)	162,719	293,504
		2009	r/	285,776	125,583	221,901
3345197127	Seismic instruments	2010		(D)	16,313	27,992
		2009	c/	493,677	12,182	20,118

Footnotes:

- 1/ For comparison of North American Industry Classification System (NAICS)- based codes with Schedule B export codes and HTSUSA import codes, see Table 4.
- 2/ Source: Census Bureau report EM 545, U.S. Exports
- 3/ Dollar value represents the c.i.f. (cost, insurance, and freight) value at the port of export.
- 4/ Source: Census Bureau report IM 145, U.S. Imports for Consumption. Data include both import value and duty value.

Table 4. Comparison of Combined North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2010

Combined code	Product code	Product description	Export code 1/	Import code 2/
3345141108	3345141108	Gas meters, consumption registering (except parts)	9028.10.0000	9028.10.0000
3345141116	3345141116	Liquid meters (except parts)	9028.20.0000	9028.20.0000
334514119	334514119	Parts, components, and accessories for gas and liquid meters, sold separately	9028.90.0080	9028.90.0080
334514310T	3345143104 3345143108	Counting devices including taxi meters, parking meters and parts	9106.20.0000	9028.90.0040
			9028.90.0040	9029.10.4000
			9029.10.0000	9029.10.8000
			9029.90.0000	9029.90.2000
				9029.90.8080
			9106.20.0000	
334515100T	3345151104 3345151105 3345151107 3345151109	Electricity meters	9028.30.0000	9028.30.0000
3345154102	3345154102	Voltage, current, and resistance measuring equipment	9030.33.0040	9030.33.0040
			9030.33.0080	9030.33.0080
			9030.39.0100	9030.39.0100
3345154111	3345154111	Multimeters	9030.31.0000	9030.31.0000
			9030.32.0000	9030.32.0000
3345154136	3345154136	Signal generating equipment	8543.20.0000	8543.20.0000

334515412T	3345154126	Equipment for testing multimeters, electrical, radio and communication circuits, and motors,	9029.20.6000	9029.20.6000
	3345154141		9030.82.0000	9030.82.0000
	3345154149		9030.90.8010	9030.90.2500
	3345154153		9030.90.8020	9030.90.4500
	3345154157		9030.90.8030	9030.90.6400
	3345154159		9030.90.8040	9030.90.6800
	3345154161		9030.90.8050	9030.90.8400
	3345154163		9030.90.8060	9030.90.8811
	3345154165			9030.90.8821
	3345154168			9030.90.8831
	3345154175			9030.90.8840
	3345154179			9030.90.8856
	3345154183			9030.90.8861
	3345154185			9031.80.8060
	3345154196			
334519400T	3345194101	Physical properties testing and inspection equipment and kinematic testing and measuring equipment	9024.10.0000	9024.10.0000
	3345194104		9024.80.0000	9024.80.0000
	3345194107		9024.90.0000	9024.90.0040
	3345194109			9024.90.0080
	3345194112			
3345194116				
334519500T	3345195105	Nuclear radiation detection and monitoring instruments and equipment	9030.10.0000	9030.10.0000
	3345195125		9030.90.4000	
	3345195126			
	3345195127			
3345195129				
3345197119	3345197119	Thermometers	9025.11.2000	9025.11.4000
			9025.11.4000	9025.19.8080
			9025.19.8040	9028.19.4000
			9025.19.8080	

3345197127

3345197127

Seismic instruments

9015.80.6000

9015.80.6000

Footnotes:

1/ Source: 2010 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 (2010).

Symbols:

- (D) - Withheld to avoid disclosing data of individual companies.
- (X) - Not applicable.
- (NA) - Not available.
- r/ - Revised by 5 percent or more from previously published data.
- (n.e.c.) - Not elsewhere classified.
- (n.s.k.) - Not specified by kind.
- (nehp) - Net engine horsepower
- (btuh) - British thermal units per hour
- (pt.) Part.
- Represents zero.

Estimation symbols - Percent of estimation for each item is indicated as follows:

- a/ - 10 to 19 percent of this item has been estimated.
- b/ - 20 to 29 percent of this item has been estimated.
- c/ - 30 to 49 percent of this item has been estimated.
- (S) - Withheld because estimates did not meet publication standards

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>.