

Type AB meters



Type AB meters are cost-effective meters for measuring kWh energy usage. They continue to meet utility expectations by consistently exceeding their 30-year expected life span.

Available as either single phase (AB1) or polyphase (ABS) meter, the Type AB meter can be supplied with a clock-dial or cyclometer register. Manufactured in an ISO 9001 Registered Firm Status facility based in the United States, Type AB meters are designed to operate in the harshest environments. AB1 and ABS meters share these design features:

- high reliable, epoxy-encapsulated voltage coil
- Magnethrust bearing system for accurate registration and tamper resistance
- corrosion protection for long life
- fixed register mesh requiring no adjustment during register installation
- filter seal system protects against contaminants while minimizing condensation

Type AB meters provide accuracy and consistent service performance over their long life span. The fully automated final calibration system provides very tight and consistent accuracy levels, which means each meter arrives at the utility ready for installation. A calibration data file can be provided with each shipment. This file can be easily transferred into the utility's database or meter record system.

AMR capability

By installing communication modules under the cover of single phase meter (AB1R) and polyphase meter (ABS), the Type AB meter can integrate with different automated meter reading (AMR) systems. The Type AB meter can be ordered with the communication already installed, and meters deployed in the field can be retrofitted.

In addition to the following technologies, information is available to new vendors to assist them in adding their modules to the Type AB meter.

- 900 MHz radio frequency
 - Itron¹
 - Schlumberger CellNet
- Distribution power line carrier
 - Hunt Turtle
 - DCSI
- Telephone
 - Itron (DCI)
 - American Innovations

Type AB meters meet or exceed ANSI C12.1-1995 and ANSI C12.10-1998

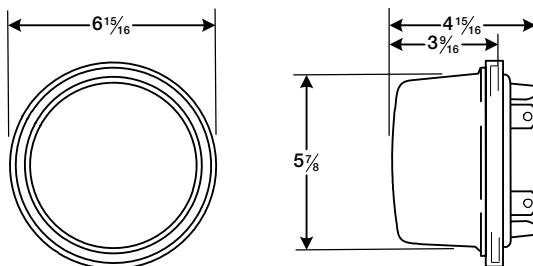
Meter	Description	Voltages	Forms
AB1	Single phase, self contained socket type or transformer rated with 4, 5, or 6 terminals	120 or 240	1S, 2S, 3S, 4S
ABS-2	2-stator meter for 3-phase, 3-wire or network service. Transformer rated, socket-type, 8 terminals.	120, 240, 480	5S
ABS-3	3-stator meter for 3-phase, 4-wire wye service. Self contained (7 terminals) or transformer rated (13 terminals) socket type meter.	120, 240, 480	9S, 16S
ABS-5	2-stator meter for 3-phase, 3-wire or network service. Self contained (5 terminals, 5 th terminal moveable) socket type	120, 240, 480	12S
ABS-5U	Similar to ABS-5 but designed for urban network applications. Meter used for 120/208 V network where lightning protection provided at service entrance.	120	12S, 25S
ABS-7	2-stator meter for 3-phase, 4-wire delta service. Self contained (7 terminals) or transformer rated (13 terminals) socket type meter.	240 or 480	8S, 15S
ABS-8	2-stator (2½ element) meter for 3-phase, 4-wire wye service. Self contained (7 terminals) or transformer rated (13 terminals) socket type meter.	120 or 240	6S, 14S

About Elster Group

Elster Group is the world's leading manufacturer and supplier of highly accurate, high quality, integrated metering and utilization solutions to the gas, electricity and water industries. In addition, through its subsidiary Ipsen International, it is the leading global manufacturer of high level thermo-chemical treatment equipment.

The group has over 9,000 staff, operations in 38 countries and serves over 115 markets around the world. Elster's high quality products and systems reflect the wealth of knowledge and experience gained from over 170 years of dedication to measuring precious resources and energy.

Meter	Number in carton	Domestic		Export			
		Net weight lb [kg]	Shipping weight lb [kg]	Net weight lb [kg]	Legal weight lb [kg]	Gross weight lb [kg]	Shipping box dimensions in inches
AB1	4	15.5 [7]	18.25 [8.3]	15.5 [7]	18.25 [8.3]	18.25 [8.3]	15.75 × 15.75 × 7.38
ABS-2	1	7 [3.2]	9 [4.1]	7 [3.2]	8 [3.6]	9 [4.1]	9.5 × 11 × 9
	4	27.75 [12.6]	31.5 [14.3]	27.75 [12.6]	30.25 [13.7]	31.5 [14.3]	16.5 × 16.5 × 10.63
ABS-3	1	8 [3.6]	10 [4.5]	8 [3.6]	9 [3.6]	10 [4.5]	9.5 × 11 × 9.5
	4	32 [14.4]	35.5 [16]	32 [14.4]	34.5 [15.5]	35.5 [16]	16.5 × 16.5 × 10.63
ABS-5	1	7 [3.2]	9 [4.1]	7 [3.2]	8 [3.6]	9 [4.1]	9.5 × 11 × 9
	4	27.75 [12.6]	31.5 [14.3]	27.75 [12.6]	30.25 [13.7]	31.5 [14.3]	16.5 × 16.5 × 10.63
ABS-7	1	7 [3.2]	9 [4.1]	7 [3.2]	8 [3.6]	9 [4.1]	9.5 × 11 × 9
	4	27.75 [12.6]	31.5 [14.3]	27.75 [12.6]	30.25 [13.7]	31.5 [14.3]	16.5 × 16.5 × 10.63
ABS-8	1	7 [3.2]	9 [4.1]	7 [3.2]	8 [3.6]	9 [4.1]	9.5 × 11 × 9
	4	27.75 [12.6]	31.5 [14.3]	27.75 [12.6]	30.25 [13.7]	31.5 [14.3]	16.5 × 16.5 × 10.63



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¹Uses a switch containing mercury. Dispose of according to local, state, and federal laws. All weights and dimensions are approximate.