



Badger Meter

ORION® & GALAXY®
ADE® Test Circle Codes

Overview

To convert an endpoint field reading into billing units, ReadCenter® software uses a Test Circle Code. The Test Circle Code reflects the number of gallons, cubic feet and cubic meters measured by the meter per each revolution of the sweep hand. The following charts have been provided to help understand the correct Test Circle Code designations.

An ADE encoder can be ordered in four, five or six-dial resolutions, however, the following charts represent only the six-dial resolution. A "-1" Test Circle code is used for all four or five-dial resolution ADE encoders, as well as for approved competitive encoders connected to a universal ORION or GALAXY endpoint. For these encoders, it is assumed the reading is already truncated to billing resolution and will be passed to billing without further adjustment.

For additional information, contact Badger Meter Technical Support at 800-876-3837.

Recordall® Disc Series Meters - GALLONS

Meter Model	Size	Test Circle Resolution (gal.)	Test Circle Code	Six-Dial Resolution
LP	5/8"	10	48	10
LP	5/8"x 3/4"	10	48	10
M25	5/8"	10	48	10
M25	5/8"x 3/4"	10	48	10
M35	3/4"	10	48	10
M40	1"	10	48	10
M55	1"	10	48	10
M70	1"	10	48	10
M120	1-1/2"	100	49	100
M170	2"	100	49	100

Recordall Turbo Series Meters - GALLONS

Meter Model	Size	Test Circle Resolution (gal.)	Test Circle Code	Six-Dial Resolution
T160	1-1/2"	100	49	100
T200	2"	100	49	100
T450	3"	100	49	100
T1000	4"	100	49	100
T2000	6"	1000	50	1000
T3500	8"	1000	50	1000
T5500	10"	1000	50	1000
T6200	12"	10000	51	10000
T6600	16"	10000	51	10000
T10000	20"	10000	51	10000

Recordall Compound Series Meters (without Summators *) - GALLONS

Meter Model	Size	Test Circle Resolution (gal.)	Test Circle Code	Six-Dial Resolution
High Side T200 (Turbo) *	2"	100	49	100
Low Side M25 (Disc)	2"	10	48	10
High Side T450 (Turbo) *	3"	100	49	100
Low Side M25 (Disc)	3"	10	48	10
High Side T1000 (Turbo) *	4"	100	49	100
Low Side M35 (Disc)	4"	10	48	10
High Side T2000 (Turbo) *	6"	1000	50	1000
Low Side M35 (Disc)	6"	10	48	10
High Side T3500 (Turbo) *	8"	1000	50	1000
Low Side M120 (Disc)	8"	100	49	100

* Recordall Compound Series Meter utilizing a 308 Summator should use the Test Circle Code which corresponds to the high side registration (gallons, cubic feet or cubic meters), to ensure the appropriate reading is passed to the billing software.

Recordall Disc Series Meters - CUBIC FEET

Meter Model	Size	Test Circle Resolution (cu. ft.)	Test Circle Code	Six-Dial Resolution
LP	5/8"	1	65	1
LP	5/8"x 3/4"	1	65	1
M25	5/8"	1	65	1
M25	5/8"x 3/4"	1	65	1
M35	3/4"	1	65	1
M40	1"	1	65	1
M55	1"	1	65	1
M70	1"	1	65	1
M120	1-1/2"	10	66	10
M170	2"	10	66	10

Recordall Turbo Series Meters - CUBIC FEET

Meter Model	Size	Test Circle Resolution (cu. ft.)	Test Circle Code	Six-Dial Resolution
T160	1-1/2"	10	66	10
T200	2"	10	66	10
T450	3"	10	66	10
T1000	4"	10	66	10
T2000	6"	100	67	100
T3500	8"	100	67	100
T5500	10"	100	67	100
T6200	12"	1000	68	1000
T6600	16"	1000	68	1000
T10000	20"	10000	**	10000

** For additional Test Circle information, please contact Badger Meter Technical Support at 800-876-3837.

Recordall Compound Series Meters (without Summators *) - CUBIC FEET

Meter Model	Size	Test Circle Resolution (cu. ft.)	Test Circle Code	Six-Dial Resolution
High Side T200 (Turbo) *	2"	10	66	10
Low Side M25 (Disc)	2"	1	65	1
High Side T450 (Turbo) *	3"	10	66	10
Low Side M25 (Disc)	3"	1	65	1
High Side T1000 (Turbo) *	4"	10	66	10
Low Side M35 (Disc)	4"	1	65	1
High Side T2000 (Turbo) *	6"	100	67	100
Low Side M35 (Disc)	6"	1	65	1
High Side T3500 (Turbo) *	8"	100	67	100
Low Side M120 (Disc)	8"	10	66	10

* Recordall Compound Series Meter utilizing a 308 Summator should use the Test Circle Code which corresponds to the high side registration (gallons, cubic feet or cubic meters), to ensure the appropriate reading is passed to the billing software.

Recordall Disc Series Meter- CUBIC METERS

Meter Model	Size	Test Circle Resolution (m ³)	Test Circle Code	Six-Dial Resolution
LP	5/8"	0.1	96	0.1
LP	5/8"x 3/4"	0.1	96	0.1
M25	5/8"	0.1	96	0.1
M25	5/8"x 3/4"	0.1	96	0.1
M35	3/4"	0.1	96	0.1
M40	1"	0.1	96	0.1
M55	1"	0.1	96	0.1
M70	1"	0.1	96	0.1
M120	1-1/2"	01	97	1
M170	2"	01	97	1

Recordall Turbo Series Meters - CUBIC METERS

Meter Model	Size	Test Circle Resolution (m³)	Test Circle Code	Six-Dial Resolution
T160	1-1/2"	1	97	1
T200	2"	1	97	1
T450	3"	1	97	1
T1000	4"	1	97	1
T2000	6"	10	98	10
T3500	8"	10	98	10
T5500	10"	10	98	10
T6200	12"	10	98	10
T6600	16"	10	98	10
T10000	20"	10	98	10

Recordall Compound Series Meter (without Summators *) - CUBIC METERS

Meter Model	Size	Test Circle Resolution (m ³)	Test Circle Code	Six-Dial Resolution
High side T200 (Turbo) *	2"	1	97	1
Low Side M25 (Disc)	2"	0.1	96	0.1
High Side T450 (Turbo) *	3"	1	97	1
Low Side M25 (Disc)	3"	0.1	96	0.1
High Side T1000 (Turbo) *	4"	1	97	1
Low Side M35 (Disc)	4"	0.1	96	0.1
High Side T2000 (Turbo) *	6"	10	98	10
Low Side M35 (Disc)	6"	0.1	96	0.1
High Side T3500 (Turbo) *	8"	10	98	10
Low Side M120 (Disc)	8"	1	97	1

* Recordall Compound Series Meter utilizing a 308 Summator should use the Test Circle Code which corresponds to the high side registration (gallons, cubic feet or cubic meters), to ensure the appropriate reading is passed to the billing software.

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