



Badger Meter

**ORION® and GALAXY®
RTR® 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 correct Test Circle Code designations.

For additional information, please 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	01	1
LP	5/8"x 3/4"	10	01	1
M25	5/8"	10	01	1
M25	5/8"x 3/4"	10	01	1
M35	3/4"	10	01	1
M40	1"	10	01	1
M55	1"	10	01	1
M70	1"	10	01	1
M120	1-1/2"	100	02	10
M170	2"	100	02	10

Recordall Turbo Series Meters - GALLONS

Meter Model	Size	Test Circle Resolution (gal.)	Test Circle Code	Resolution
T160	1-1/2"	1000	03	100
T200	2"	1000	03	100
T450	3"	1000	03	100
T1000	4"	1000	03	100
T2000	6"	1000	03	100
T3500	8"	1000	03	100
T5500	10"	1000	03	100
T6200	12"	10000	04	1000
T6600	16"	10000	04	1000
T10000	20"	10000	04	1000

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"	1000	03	100
Low Side M25 (Disc)	2"	10	01	1
High Side T450 (Turbo) *	3"	1000	03	100
Low Side M25 (Disc)	3"	10	01	1
High Side T1000 (Turbo) *	4"	1000	03	100
Low Side M35 (Disc)	4"	10	01	1
High Side T2000 (Turbo) *	6"	1000	03	100
Low Side M35 (Disc)	6"	10	01	1
High Side T3500 (Turbo) *	8"	1000	03	100
Low Side M120 (Disc)	8"	100	02	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 FEET

Meter Model	Size	Test Circle Resolution (cu. ft.)	Test Circle Code	Six-Dial Resolution
LP	5/8"	1	05	0.1
LP	5/8"x 3/4"	1	05	0.1
M25	5/8"	1	05	0.1
M25	5/8"x 3/4"	1	05	0.1
M35	3/4"	1	05	0.1
M40	1"	1	05	0.1
M55	1"	1	05	0.1
M70	1"	1	05	0.1
M120	1-1/2"	10	06	1
M170	2"	10	06	1

Recordall Turbo Series Meters - CUBIC FEET

Meter Model	Size	Test Circle Resolution (cu. ft.)	Test Circle Code	Six-Dial Resolution
T160	1-1/2"	100	07	10
T200	2"	100	07	10
T450	3"	100	07	10
T1000	4"	100	07	10
T2000	6"	100	07	10
T3500	8"	100	07	10
T5500	10"	100	07	10
T6200	12"	1000	08	100
T6600	16"	1000	08	100
T10000	20"	10000	**	1000

** For additional 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"	100	07	10
Low Side M25 (Disc)	2"	1	05	0.1
High Side T450 (Turbo) *	3"	100	07	10
Low Side M25 (Disc)	3"	1	05	0.1
High Side T1000 (Turbo) *	4"	100	07	10
Low Side M35 (Disc)	4"	1	05	0.1
High Side T2000 (Turbo) *	6"	100	07	10
Low Side M35 (Disc)	6"	1	05	0.1
High Side T3500 (Turbo) *	8"	100	07	10
Low Side M120 (Disc)	8"	10	06	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.

Recordall Disc Series Meters - CUBIC METERS

Recordall Disc Series Meters - Cubic Meters				
Meter Model	Size	Test Circle Resolution (m ³)	Test Circle Code	Six-Dial Resolution
LP	5/8"	0.1	10	0.01
LP	5/8" 3/4"	0.1	10	0.01
M25	5/8"	0.1	10	0.01
M25	5/8"x 3/4"	0.1	10	0.01
M35	3/4"	0.1	10	0.01
M40	1"	0.1	10	0.01
M55	1"	0.1	10	0.01
M70	1"	0.1	10	0.01
M120	1-1/2"	1	11	0.1
M170	2"	1	11	0.1

Recordall Turbo Series Meters - CUBIC METERS

Meter Model	Size	Test Circle Resolution (m³)	Test Circle Code	Six-Dial Resolution
T160	1-1/2"	1	11	0.1
T200	2"	1	11	0.1
T450	3"	1	11	0.1
T1000	4"	1	11	0.1
T2000	6"	10	12	1
T3500	8"	10	12	1
T5500	10"	10	12	1
T6200	12"	10	12	1
T6600	16"	100	13	10
T10000	20"	100	13	10

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

Meter Model	Size	Test Circle Resolution (m ³)	Test Circle Code	Six-Dial Resolution
High side T200 (Turbo) *	2"	1	11	0.1
Low Side M25 (Disc)	2"	0.1	10	0.01
High Side T450 (Turbo) *	3"	1	11	0.1
Low Side M25 (Disc)	3"	0.1	10	0.01
High Side T1000 (Turbo) *	4"	1	11	0.1
Low Side M35 (Disc)	4"	0.1	10	0.01
High Side T2000 (Turbo) *	6"	10	12	1
Low Side M35 (Disc)	6"	0.1	10	0.01
High Side T3500 (Turbo) *	8"	10	12	1
Low Side M120 (Disc)	8"	1	11	0.1

* 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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