

# Absolute Encoder Register

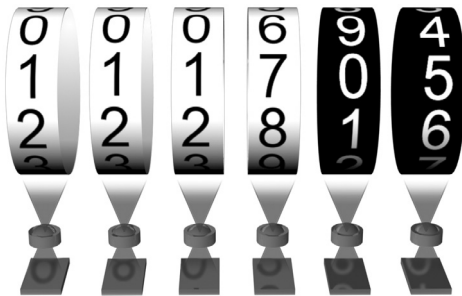


Glass Lens

Plastic Lens

## Encoder Register Features

- No contact encoding extends register life
- InVISION technology for virtually error-free absolute reading
- Full six wheel encoding
- Reprogrammable 10-digit register ID
- No batteries; reading power provided by reading device
- Permanently sealed glass or plastic lens register
- Factory-potted, waterproof terminal sealing for pit-set devices
- Standard ASCII protocol for reading system compatibility
- Clear, 100 gradation 360° test circle
- High-sensitivity low-flow/leak indicator
- Large odometer wheels for easy visual reading
- Diagnostic codes for troubleshooting
- Low profile, durable and unobtrusive wall and pit pads
- Cable length up to 200 feet



## Materials

Register Lens	Glass or Plastic
Register Can	Copper
Remote Cable	3-lead #22 AWG
Wall and Pit Pads	ABS

**Encoder Benefits.** The Elster AMCO Water absolute encoder interfaces to electronic and Automatic Meter Reading systems to reduce meter reading and customer service costs. Encoder reading increases efficiency by reducing reading time and eliminating human error. Encoder reading significantly improves meter reader safety by eliminating the need to enter residences or hazardous confined spaces to take meter readings.

**Compliance to Standards.** The Elster AMCO Water encoder exceeds the requirements of American Water Works Association Standard C707, most recent revision.

**Operation.** The Elster AMCO Water encoder incorporates Elster AMCO Water InVISION™ technology employing Optical Character Recognition (OCR) to read the odometer digits of C700, M700, T4000, TS4000, C4000, S2000, and F4000 meters. Powered by interrogation equipment, Elster AMCO Water encoders utilize strategically positioned light emitting diodes (LEDs) that illuminate the register's odometer digits for reading. A powerful microprocessor receives and processes images from strategically positioned retinas focusing on the digits through polymer lenses. Readings are passed to the hand-held or AMR device.



Size:	PD Meters				Turbine Meters			
	5/8-3/4"	1"	1 1/2"	2"	1 1/2-2"	3-4"	6-8"	10-12"
<u>1 Rev of Sweep Hand</u>								
US Gallons	10	10	100	100	100	100	1000	1000
Cubic Feet	1	1	10	10	10	10	100	100
Cubic Meters (Canada)	1/10	1/10	1/10	1	NA	NA	NA	NA
Cubic Meters (Intl.)	1/100	1/10	1/10	1/10	1	1	10	10

Totalizer Capacity (millions)

US Gallons	10	10	100	100	100	100	1000	1000
Cubic Feet	1	1	10	10	10	10	100	100
Cubic Meters (Canada)	1/10	1/10	1/10	1	NA	NA	NA	NA
Cubic Meters (Intl.)	1/100	1/10	1/10	1/10	1	1	10	10

Compatible Reading Equipment

- Standard ASCII protocol can be read by all major hand-held devices
- Protocol is compatible with major AMR systems including:
  - Itron Walk-by, Drive-by and Fixed Network RF
  - Hexagram Fixed Network RF

Elster AMCO Water, Inc.  
 PO Box 1852  
 Ocala, FL 34478-1852  
 United States

T +1 800 874 0890 (US)  
 T +1 866 703 7582 (Canada)  
 T +1 787 872 2006 (Caribbean)  
 F +1 352 368 1950

watermeters@us.elster.com  
 www.elster.com

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