

OMNI™+ Electronic Register

The Sensus® OMNI™+ register provides greater reliability, higher-resolution readings and more advanced features than any other electronic register previously available.

The OMNI+ electronic register is hermetically sealed with an electronic pickup containing no mechanical gearing. The OMNI+ register features a programmable totalizer registration, an optional digital pulse signal, AMI/AMR reading digits, and a resettable test totalizer. The large, easy-to-read LCD also displays both forward and reverse flow directions. The OMNI+ tamper-proof security cover can be positioned in any of 270 degrees of rotation, with indexing points at each of the 90-degree customary register viewing positions.



LCD Available Views

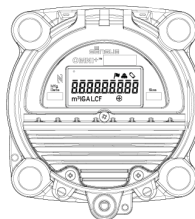
The OMNI+ LCD contains dedicated display areas for information and icons. Lift and close the lid to toggle through the available views.

FEATURES

- 10 year battery life
- 10 year warranty
- 9 digit LCD display
- 9 digit AMR/AMI output capability
- Encoder Output
- Pulse Output (not available for OMNI+ R2)
- 180 days of hourly interval data

- Segment Test View
- Totalizer View
- Notification View (for alarms)

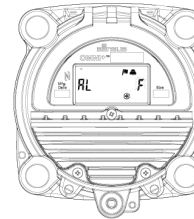
- Flow Rate View
- Test Totalizer View



Segment Test View



Totalizer View



Notification View



Flow Rate View

BENEFITS

- Smart alarms, such as continuous usage, high flow, and reverse flow provided added insight
- Near Field Communication (NFC) provides the ability to capture a dead battery read using an NFC equipped Android device

LCD Display Options

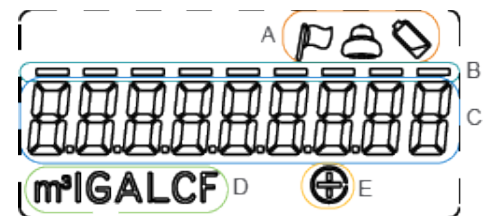
Notification Icons (A):

- Flag: indicates a recent alarm event has occurred.
- Bell: indicates an active alarm event.
- Battery: indicates battery near end of life, at end of life, or has low battery volts.

Reading Display Identifiers (B): indicates which digits in the display value are reported to an AMR/AMI system.

Display Values (C): up to nine digits.

Unit of Measure (D): Gallon, Cubic Feet, Cubic Meter, Imperial Gallon, and Acre Feet available.



Flow Direction (E): shows Positive and Negative flow.

Positive Flow icon: + with ⊕ circle

Negative Flow icon: - with ⊖ circle

No flow: No circle, + or -

NEW OPTICAL ADAPTER (EHAT)

- Secures to the top of the register
- Contains all cable configurations
- Provides the ability to change communication capabilities without changing the register
- 10 year warranty

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TOTALIZER DISPLAY AND AMR/AMI CONFIGURATION

LCD Display	USG	CuFt 1.5-2"	CuFt 3-10"	m3 1.5-2"	m3 3-10"	AF 1.5-6"
*87654321	8W/1 gal	8W/.01 cuft	8W/1 cuft	8W/.001 m3	8W/.01 m3	8W/.00001 AF
8765432	7W/10 gal	7W/.1 cuft	7W/10 cuft	7W/.01 m3	7W/.1 m3	7W/.0001 AF
**7654321	7W/1 gal	7W/.01 cuft	7W/1 cuft	7W/.1 m3	7W/.01 m3	7W/.00001 AF
*876543**	6W/100 gal	6W/1 cuft	6W/100 cuft	6W/.1 m3	6W/1 m3	6W/.001 AF
**765432*	6W/10 gal	6W/.1 cuft	6W/10 cuft	6W/.01 m3	6W/.1 m3	6W/.0001 AF
***654321	6W/1 gal	6W/.01 cuft	6W/1 cuft	6W/.001 m3	6W/.01 m3	6W/.00001 AF
*87654***	5W/1000 gal	5W/10 cuft	5W/1000 cuft	5W/.1 m3	5W/10 m3	5W/.01 AF
76543	5W/100 gal	5W/1 cuft	5W/100 cuft	5W/.1 m3	5W/1 m3	5W/.001 AF
***65432*	5W/10 gal	5W/.1 cuft	5W/10 cuft	5W/.01 m3	5W/.1 m3	5W/.001 AF
****54321	5W/1 gal	5W/.01 cuft	5W/1 cuft	5W/.001 m3	5W/.01 m3	5W/.0001 AF
*8765****	4W/10000 gal	4W/100 cuft	4W/10000 cuft	4W/10 m3	4W/100 m3	4W/.1 AF
7654*	4W/1000 gal	4W/10 cuft	4W/1000 cuft	4W/.1 m3	4W/10 m3	4W/.01 AF
***6543**	4W/100 gal	4W/1 cuft	4W/100 cuft	4W/.1 m3	4W/1 m3	4W/.001 AF
****5432*	4W/10 gal	4W/.1 cuft	4W/10 cuft	4W/.01 m3	4W/.1 m3	4W/.0001 AF
*****4321	4W/1 gal	4W/.01 cuft	4W/1 cuft	4W/.001 m3	4W/.01 m3	4W/.00001 AF
987654321	9W/1 gal	9W/.01 cuft	9W/1 cuft	9W/.001 m3	9W/.01 m3	9W/.00001 AF
98765432*	8W/10 gal	8W/.1 cuft	8W/10 cuft	8W/.01 m3	8W/.1 m3	8W/.0001 AF
9876543**	7W/100 gal	7W/1 cuft	7W/100 cuft	7W/.1 m3	7W/1 m3	7W/.001 AF
987654***	6W/1000 gal	6W/10 cuft	6W/1000 cuft	6W/.1 m3	6W/10 m3	6W/.01 AF
98765****	5W/10000 gal	5W/100 cuft	5W/10000 cuft	5W/10 m3	5W/100 m3	5W/.1 AF
9876*****	4W/100000 gal	4W/1000 cuft	4W/100000 cuft	4W/100 m3	4W/1000 m3	4W/.1 AF

CABLE OPTIONS

Part Number	Cable Description	Part Number	Cable Description
5191020600004	6' TR/PL Cable (3-wire)	51910206000020	20' Nicor AM R cable (male connector) & 20' Pulse cable
5191020600005	20' TR/PL Cable (3-wire)	51910206000019	5' Nicor AM R cable (male connector) & 20' Pulse cable
5191020600006	50' TR/PL Cable (3-wire)	51910206000008	Itron Connector with 5' cable
5191020600007	100' TR/PL Cable (3-wire)	51910206000012	50' Nicor AM R cable (male connector)
5191020600009	Itron Connector with 25' cable	51910206000023	18" Nicor cable
51910206000010	5' Nicor AM R cable (male connector)	51910206000013	6' TR/PL cable (3-wire) & 20' Pulse cable
51910206000011	20' Nicor AM R cable (male connector)	51910206000016	100' TR/PL cable (3-wire) & 20' Pulse cable
51910206000014	20' TR/PL cable (3-wire) & 20' Pulse cable	51910206000021	50' Nicor AM R cable (make connector) & 20' Pulse cable
51910206000015	50' TR/PL cable (3-wire) & 20' Pulse cable	51910206000017	Itron Connector with 5' cable & 20' Pulse cable
51910206000018	Itron Connector with 5' cable & 20' Pulse cable		



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