**Model 3096 TouchReader+**

The Model 3096 TouchReader+ is a battery powered, compact visual display reading device used for reading meters interfaced to the Sensus TouchRead® System and activation/deactivation device for Sensus radios (Models 510R/520R). It features a slim, easy-to-hold ergonomic shape that is specially designed for user comfort and convenient one-hand operation. The unit weighs less than seven ounces and can be carried in a pocket or its own belt-mounting case when not in use.

The TouchReader+ is able to read Sensus absolute encoders. The TouchReader+ provides the ability to read an individual meter on the TouchRead System or multiple meters connected to the TouchRead system via a Sensus MultiRead module. The TouchReader+ also has memory capability for maintaining the most recent sixteen meter readings whether the readings were individual meters or those read using the Sensus MultiRead module.

To obtain a reading, the TouchReader+ sensor is placed on the Sensus TouchPad, either wall, meter or pit lid mounted, and the read button is pressed. Tactile feedback from the keypad and audible tones assist the meter reader operation.

Upon successful interrogation of the meter(s) being read via the TouchRead system, reading(s) are displayed on the liquid crystal display (LCD) of the TouchReader+. For single read meters, the absolute encoder meter reading and the ID number of the encoder are displayed on the LCD. For multiple meters, in conjunction with the Sensus MultiRead module, the readings are stored in memory for observation of the readings taken. Scroll buttons on the TouchReader+ allow for viewing of multiple read meter locations or the last 16 meters that were read.

**Radio Interface**

The TouchReader+ is able to send specific commands to Sensus radios (Models 510R/520R).

The TouchReader+ can also query the radios for its status. To access the radio interface, press both up and down arrows at the same time to put the TouchReader+ in the programmer mode. Once in this mode, the user can query the radio for its status (idle or active), activate/deactivate a radio, and force a transmission (FixNet only). Highlight the function (Enable, Deact, Status) using the up/down arrows, place the TouchReader+ sensor on the radio’s programmer port, and press the Read button. Upon success, the TouchReader+ will provide a status.

**Display**

The TouchReader+ has a large LCD display that shows both the absolute encoder reading and ID number as well as some responses from Sensus radios. The LCD also shows a counter number for the last eight individual meters read or the meter locations when connected to a Sensus MultiRead module.
Physical Characteristics

Hand-held electronic meter reading device used to visually read a meter integrated with the Sensus TouchRead System.

Service

Hand-held electronic meter reading device used to visually read a meter integrated with the Sensus TouchRead System.

Physical Characteristics


Dimensions

5-+” (136.53 mm) h x 2-+” (60.33 mm w x 1-+” (44.45 mm) d

Weight

6.72 oz. (188.16 grams)

Display

Liquid crystal display (LCD), 2 lines x 8 characters - 5/16” (8 mm) high

Memory

Non-volatile memory maintains last eight meter readings.

Operating Temperature

-4° F to +140° F/-20° C to +60° C

Power

9 volt (PP3) Alkaline type (recommended) Battery included.

Compatibility

Sensus absolute encoders (direct TouchRead connect) for water.

Approvals

U.S. FCC and Industry Canada

Display/Error Messages

<table>
<thead>
<tr>
<th>TouchReader+ Display Messages</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>cAn’t rUn</td>
<td>Unable to execute specific command</td>
</tr>
<tr>
<td>don’t no</td>
<td>Command unknown</td>
</tr>
<tr>
<td>trnotSUP</td>
<td>TouchRead is not supported for the register connected to the port (TouchRead only available for Sensus encoders)</td>
</tr>
<tr>
<td>rEAd Er</td>
<td>No response from register on this port/no register attached to the radio/defective register</td>
</tr>
<tr>
<td>no tr</td>
<td>TouchRead function not available</td>
</tr>
<tr>
<td>idLE</td>
<td>Status message: the radio is currently idle</td>
</tr>
</tbody>
</table>

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