

Overview

This document is intended to assist utility personnel with Hersey® Meters' Pit Stop™ Receiver. It provides instructions on the handheld key presses and how to successfully use the receiver to interrogate Hot Rod transmitters. The Pit Stop allows the utility to receive data from any Hersey water meter equipped with a Translator® encoder register and Hot Rod™ AMR transmitter. The receiver collects data via radio frequency.

Menu Screens and Functions

Power.

Once the unit is powered on it starts an internal clock that will shut down power after 5 minutes unless the user presses another key. In that event the unit restarts the 5 minute clock. To turn on the unit simply hit the **CLR** or **ENT** key.

Intro Screen.

This is the first screen the user will see upon activating the unit. It displays the company name, the hand held name, and the version of software it is currently running. Hit any key to move to the next screen.

Receive Screen.

You have to option to move to the next **Receive** menu or **View Last 9** received Hot Rods. If the unit has just been turned on there will be no data in the **View Last 9** option. Simply hit the number for the option you would like to use. Options 1 and 2, are currently available. Hitting any other key will advance you into the **Receive type** menu.

Receive Type Menu.

You have the option of selecting either **Receive All** or **Receive One**. **Receive All** will do just as it says and display in real time every signal received. The screen will scroll quickly so if you want to stop it to see the current screen data hit the **CLR** key. You can also depress any other key and the screen will momentarily pause while the key is still depressed. After stopping the readings by hitting the **CLR** key you can restart the device by selecting the **ENT** key. If you want to back out of the menu hit the **CLR** key twice. This will return to the intro screen.

Receive One.

If this option is selected, the user is prompted to enter a 10 digit number. The number must be ten digits. Hersey Translator registers only have 8 digits so you must enter zeros as the first two digits. After entering the 10 numbers select the **ENT** key to start searching for the signal. The unit will display the ID, the 4 to 6 digit reading and the signal strength for the unit once it is received. The headers are

shown across the top of the screen along with the serial number that you entered while it searches for the signal. A Triangle icon between the ID and Read headers rotates each time the hand held receives a signal. This indicates that the unit is receiving RF signals. If the **CLR** button is selected, the unit will stop receiving and the icon will stop rotating. If the **CLR** button is selected again you will return to the 10 digit input screen. This can be used to enter the register ID number or the radio ID number in the event that the radio is not attached to a register. The radio ID number can be located on the white bar coded label on the side of the battery compartment. If you received an RF signal for the device input into the receiver, additional data will be displayed on the screen. The meter reading and the received signal strength (0-100; 100 being the strongest). The next line will be the status of the unit. The bottom line of the screen has the battery status, a 5 digit code and the seconds elapsed since the last time you received the same unit. The Rx number (seconds between receptions) will keep updating as long as you continue in receiving mode. If the **CLR** button is selected, the receiver will stop. The 5 digit code represents in order from left to right:

- Number of wheels the register has been programmed to transmit (4 through 6)
- Serial number the radio is transmitting (0 = Translator, 1 = Hot Rod)
- Battery status number (0 = Good, 1 = Replace Soon, 2 = Replace Now)
- Instant data logging code (Variable)
- Instant data logging code duration (Variable)

View Last 9.

Once you have received data during the current operation of the receiver, the option for viewing the last nine received signals can be selected. While in this mode you will see on the top row (1 – 3) above the serial numbers. By pressing the **ENT** button you will move to (4 – 6) the next set of readings. You can press it again for reading (7 – 9). You can only exit this menu by pressing the **CLR** button while you are viewing (1 – 3). If you want more data for one of the readings you can press the number for the displayed reading. For example: if your looking at the screen for readings (1 – 3) then by pressing the number 3 you will see the full details for that serial number just as you did using **Receive One** mode.