Handheld Programmer
VF9000-00

Standard Features

- Compact unit
- Easy to use
- Provides address setting and reading
- Can be used on both sensors and modules
- Has the diagnostic ability to display the analog value
- Over 8000 address settings from one battery

Application
The Hand Held Programmer is designed for use with all analog sensors and modules.

Address Setting
1. Install sensor onto programmer, ensuring that sensor protrusions align with programmer grooves.
2. Press the left gray button to switch programmer on. A battery check message will appear followed by the device's address (Unprogrammed sensors will read address 127).
3. Set the required address by incrementing the left and right gray buttons (the display will show three red flashing dots if the address being programmed is different from the device's current address).
4. When the desired address is present, press the blue button to store that address. The three red dots on the display will no longer be present.

Programming Buttons
Left Gray Button - Power on. Automatically reads the address of a sensor. Subsequent operations will advance the device address by ten.
Right Gray Button - Power off. Advances the device address by one.
Red (newer models will be Blue) Button - Stores the displayed address to the device and is used to read sensor analog levels.

Testing a Sensor
NOTE   Ionization sensors require a 30 second stabilization period before analog value reading should be taken.
1. Install the sensor and power up programmer.
2. Press the Red / Blue button. An "A" will appear on the display followed by the analog value. The value will be continuously updated for three minutes
3. The photoelectric sensor should have a value displayed of between 56-63. The ionization sensor should have a value displayed of between 52-73. Values out of these ranges indicate that the sensor chamber has become contaminated.

Technical Specifications

Rated Voltage	9 VDC
Battery	9 VDC
Weight	0.34 lbs
Length	6 ¼"
Color	White

Display Messages

bAt	On upon power up (battery check). Also on when battery is low. Low battery good for up to 3,000 address setting operation.
E0	Attempting to set an address beyond 127
E1	Attempting to program an address with no device connected
E2	Cannot find device after power up
E3	Invalid sensor response
E4	Cannot find the device program
E5	Device read error
E6	Fail during analog value reading