

# FlexNet

## Vehicle Gateway Basestation VGB

### APPLICATION

The Sensus FlexNet Vehicle Gateway Basestation (VGB) is a portable radio-based device used for the acquisition of data from utility meters and other field-based diagnostic instruments. The VGB is compact and portable, allowing it to be used in any vehicle providing 12-volt DC power. The operator simply places the unit in the vehicle cabin, loads the desired meter reading route into the laptop computer and drives along the prescribed route. Meter data is collected as the vehicle travels within proximity to the selected meters. The complete VGB package includes everything needed to read meters and ancillary (such as acoustic monitoring) devices that are equipped with FlexNet M2 or RadioRead+ SmartPoints.

### OPERATION

The VGB sends an alert signal to the meter SmartPoint or ancillary device. Upon receipt of the alert, the SmartPoint responds by transmitting its most recent reading. Once received, the SmartPoint returns to a low-power listening mode. The operator has the option of directing the VGB to signal all endpoints within range (blind reading mode), or to select endpoints (geographic reading mode).

### SYSTEM RELIABILITY

FlexNet and RadioRead+ utilize primary-use radio frequencies to communicate with SmartPoints. The combination of FCC-protected frequencies and sheer transmission power of the SmartPoints ensure reliable communication from meters and ancillary devices. What's more, SmartPoint M2 and RadioRead+ SmartPoints provide infrastructure detail by monitoring their operating conditions and reporting meter tamper, continuous flow, leak detection (when equipped), high or low consumption and low battery alarms.

### PORTABILITY

Through the use of advanced design, the radio electronics of the VGB are contained in a portable enclosure about the size of a small briefcase. With the addition of a laptop computer, connecting cables and antenna, the complete VGB package can be set up in any vehicle within minutes. The compact, portable VGB instantly turns almost any vehicle – even a compact car – into a meter reading machine.



### SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| <b>SERVICE</b>                  | Radio-based mobile utility meter reading system   |
| <b>PHYSICAL CHARACTERISTICS</b> | VGB in metal case with folding handle: Length: 14.5" x Width: 11.25" x Height: 5". Includes Laptop computer, USB cables, magnetic-mount antenna and hard shell carrying case. |
| <b>WEIGHT</b>                   | 15.2 lbs. (6.8 kg)  |
| <b>POWER</b>                    | 12-volt DCDC adapter through VGB (with battery back-up; computer only)  |
| <b>COMMUNICATIONS</b>           | 900-950 Mhz.  |
| <b>MEMORY</b>                   | Non-Volatile  |
| <b>APPROVALS</b>                | Licensed Operation  |
| <b>US:</b>                      | FCC CFR 47, Part 24D, Part 101C, Part 15  |
| <b>CANADA:</b>                  | Industry Canada (IC) RSS-134, RSS-210   |



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## USER FRIENDLY SOFTWARE

The VGB utilizes AutoVu, a software program especially designed for operating Sensus drive-by meter reading equipment. AutoVu features a convenient, user-friendly pull-down menu system for directing the meter reading process. Operators are also able to input information, such as route notes, manually via the PC's keyboard. The operator can also easily edit route data configurations when necessary. Back at the office, Sensus AutoRead processes the information gathered by AutoVu and provides the utility's billing software with a simple plug-and-play interface, no matter what Sensus reading system is utilized.

## SENSUS SYSTEMS MAKE READING UTILITY METERS FAST, EASY AND RELIABLE

Our user-focused equipment and software provides utilities with tremendous meter reading efficiency, with fewer limitations compared to other types of radio-based meter reading systems. And because our software platforms operate with all of our reading packages, utilities can transition systems without downtime for operator training. Discover the power of Sensus, the measure of the future.

