



Programmable Position Monitors

- **Exceptional Resolution**
- **Easy, menu driven programming**
- **Non-volatile storage of program parameters**
- **Models available to accept synchronized, 4-20 mA, or serial ASCII transmissions**
- **Long Service Life**
- **Convenience**



The Stevens Programmable Position Monitors (PPM's) are sophisticated, microprocessor-based receiving instruments. The PPM is a "smart interpreter" which accepts the signal from a position transmitter, scales that signal, and then outputs it on a five-digit LED display. The PPM's can be easily programmed for scaling and offset via the front panel. Analog re-transmit and high-low alarms options are also similarly programmable. They are suitable for providing a signal to Supervisory Control and Data Acquisition (SCADA) systems.

There are three models of the Programmable Position Monitor available: the Model 1255 Series, which accepts input from synchronized motor position transmitters; the Model 1511 Series, which accepts input from 4-20 mA transmitters (Stevens Position Analog Transmitter or PAT); and the Model 1256 Series, which accepts ASCII transmissions (AxSys MPU).

Stevens Model 1255 Series

The Model 1255 Series provides both the user-definable visual panel indication and auxiliary analog and digital signal outputs suitable for a variety of monitoring and control applications. The instrument is designed for monitoring changes in water level, precipitation, gate position, and other similar applications. The Stevens Model 1255 Series is a microcomputer-based synchronized receiving device, digitizing the shaft position signals from a synchronized motor transmitter. The Model 1255 Series operates from a standard 110 VAC power source. It features a fail-safe timer that automatically resets the microcomputer in the event of a power fault. The system uses non-volatile memory to retain operating status and programming parameters during power interruptions of unlimited duration. After programming, the keypad can be disabled by adding a lockout terminal connection, which discourages unauthorized changes.

The Stevens Model 1256 Series

The Stevens Model 1256 Series is a serial data monitor that accepts data from an RS-232 transmitting device. The instrument is specifically designed for use with the Stevens AxSys MPU, and GS-93/GS-98 instruments in remote monitoring of water level or gate position. It is also used with the Stevens Electro AV & Synchronized AV Systems. The Model 1256 will display a five-digit reading encoded from the AxSys unit, ranging from 0 to 999.99. The transmission can take place using just two wires, and can cover distances of several miles when the system incorporates two Stevens Direct Link Modems.

Stevens Model 1511 Series

The Stevens Model 1511 Series are designed for demanding industrial monitoring applications. The system accepts the signal from a 4-20 mA output transmitter and displays it in scaled units on its five-digit LED display. For applications where the displayed value is not simply the scaled and offset input value, the Model 1511 Series can provide nonlinear functions and corrections. The systems are extremely easy to configure and operate featuring simple menu-driven programming and setup from the unit's front panel.

Wide Range of Re-transmitting Options Available

An important feature of all Stevens Programmable Position Monitors is the range of available options for re-transmitting the displayed information. All units can be equipped with optional analog retransmit signals such as 0 to 1 mA, 0 to 2 mA, -1 to 1 mA, 4 to 20 mA, or 0 to 10 VDC. High-low relay alarm outputs are fully programmable through the front panel of the instrument. Additionally, Model 1255 and 1511 Series can also be equipped with either ASCII RS-232 or parallel binary (BCD) output signals.

Stevens' Reputation for Quality

The Stevens Programmable Position Monitors represent Stevens' continuing efforts to provide high quality products which meet customer needs at a cost-effective price. As with all Stevens products, the Stevens Programmable Position Monitors are designed to assure low maintenance and long life.

Specifications

Signal Input	Model 1255 Series: Synchronized Motor Model 1256 Series: Serial ASCII string Model 1511 Series: 4-20 mA
Input devices	Model 1255 Series: Stevens Type P Transmitter Stevens Type PO Transmitter Stevens Type AP Recording Transmitter Model 1256 Series: Stevens AxSys MPU Stevens GS-93/GS-98 Model 1511 Series: Stevens Position Analog Transmitter Stevens Submersible Depth Transmitter Stevens Temperature Transmitter
Operating Temperature	Model 1255 Series: -20° to +65° C Model 1256 Series; 0° to +55° C Model 1511 Series: 0° to +55° C
Display	Five Digit LED Field programmable
Power	117 or 234 VAC, +/-10% 48-62 Hz Frequency
Resolution	0.001% of full scale
Temperature Drift	0.01% per degree C
Non-linearity	0.02% of full scale maximum (Model 1511 Series only)
Output	0 to 1 mA, 0 to 2 mA, -1 to 1 mA, 4 to 20 mA, or 0 to 10 VDC High-Low level alarms Binary coded decimal (BCD) (Model 1255 and 1511 Series only) ASCII RS-232 (Model 1255 and 1511 Series only)

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