

## Model 7151 Multiplexer



The 7151 MUX is an inexpensive and feature-packed serial data hub designed to receive 20mA, RS-232, or RS-422 serial data from up to 8 separate serial devices, with either similar or different protocols and data structures. Each input port is optically isolated for maximum protection, and manages incoming data flow at rates up to 19.2k Baud per channel, with transmission rates via RS-232 or RS-422 up to 38.4K Baud.

The epoxy coated NEMA 4X (IP67) enclosure contains front panel indicator LED's to show status of each input and output line. Pairs of color coded LED's define both transmit and receive status, making confirmation of data flow and troubleshooting a snap. Pre-installed cable grips for all 8 input channels, 1 output channel, and power connection are provided.

Flexible configuration of each input and output port is performed using HyperTerminal® or other emulation programs running on a Windows® 95/98/2000/NT platform. A DB-9 connector provides standard connection to your PC's COM port, and configuration information is automatically displayed on your PC's screen. No other multiplexer offers this versatility or ease of use.

Input data is automatically tagged with a prefix character from A to H when transmitted from the 7151. When used in multi-tier applications, prefixes range from AA to HH. This important prefix provides your standard or custom software with the ability to communicate through the multiplexer directly back to a specific field device. When used in conjunction with Telemetry Solutions' Statpac-PC™, the bi-directional communications feature of the 7151 Multiplexer can communicate directly with our model 9102 Field Data Portal, or select checkweigher and filling system controls.

## **MODEL 7151 MULTIPLEXER FEATURES:**

Rugged NEMA 4X (IP67) Epoxy Powder coated industrial enclosure suitable for installation on the factory floor, attractive enough to be placed in an office environment

Front panel status LED's confirms activity or trouble on each input/output line

Configured as either 4 or 8 serial Input ports

4-port expander board can be added for total of 8 ports

Each Input port as RS-232, RS-422, or 20mA

Input ports can be individually configured for Baud rates from 300 to 19.2k

Single RS-232/RS-422 serial output port

Output port can be configured for Baud rates from 1,200 to 38.4k

All ports are electrically isolated between port and ground

All ports are electrically isolated between ports

86-265 VAC, 47 - 60 Hz. power supply

Hyperterminal® software allows for total configuration of each input and output port

Configure Multiplexer via PC's COM port and standard cable with 9-pin DB connectors

Configurations stored in non-volatile memory

Input ports are automatically assigned a prefix letter attached to the output string for easier identification of input data

Full bi-directional communications between either Telemetry Solutions Model 9102 Field Data Portal, or select checkweigher & Filler systems

Industrial style screw terminal connectors

Detailed instructions on installation, wiring, and configuration

Limited 18-month warranty

**For more information:**