



# J & S Instruments, Inc.

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## JS-275 Series Portable Data Logging Systems

The JS-275 Series Portable Data Logging Systems are designed for use in the laboratory, the field or other locations where analog, digital and other sensor inputs are required to be monitored and recorded. These systems consist of a data logger with memory card, 120 VAC primary power and 12 VDC sensor power with a battery backup located in a portable weatherproof enclosure.

The JS-275-50 utilizes the DT50 Datataker Data Logger for monitoring inputs. The number of readings is expanded with the use of an MC-512P Memory Card which also provides non-volatile memory and the system's capability to restart itself in the case of a catastrophic power failure. The DT50 is securely mounted to a PE-500 Portable Enclosure's custom fitted rack. This enclosure is rated to NEMA 6 and has ten weather-tight cable passages for sensor leads. There is a 120 VAC duplex receptacle mounted to the tray of the PE-500's rack. It has a six foot power cable with plug which passes through the PE-500 for use when the unit is closed and sealed. A PSR-12 Power Supply is also located in the same tray and is plugged into one of its duplex receptacles. This supply is adjusted for 13.5 VDC output, is diode and fuse protected and is capable of providing both supply voltage for loop current transmitters and excitation to most sensors.

Power is distributed to a GC-7-CA Gel Cell w/ Fused Cable for trickle charging and battery operation to the system. This gel cell is mounted to the PE-500 rack and its power is pre-wired to a series of terminal strips located on the PSR-12. An additional 24 terminals are located on the lid of the PE-500 to provide for power distribution and signal conducting to the DT50 and user provided sensors. Ten input terminal sets are TSA protected against lightning and static electricity surges.

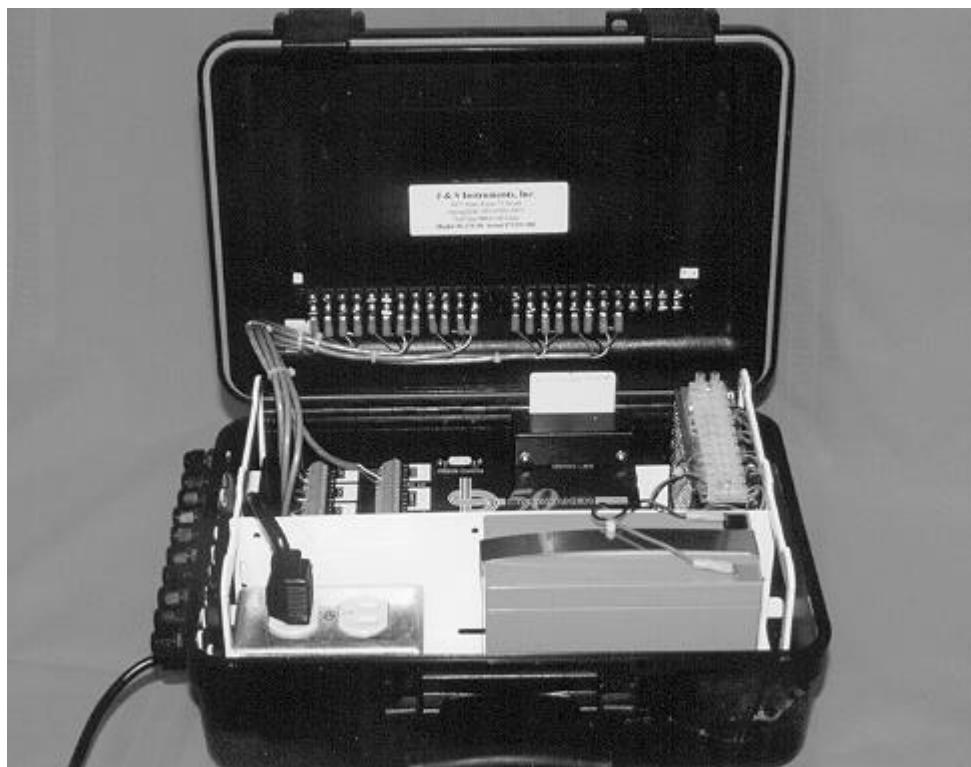
Some models have displays installed into the lid of the PE-500 while others displays are integral to the data loggers. Models with displays also have the capability of providing both audio and/or visual alarms and have a keyboard for initiating pre-programmed functions.

This system is fully assembled, wired, tested and burned in a minimum of 48 hours prior to dispatch for guaranteed out-of-box quality and minimum start up time to the operator.

(continued)

Special or custom derivations of the following listed models are available at customer request.

<b>Model</b>	<b>Data Logger</b>	<b>Display/Keypad</b>
JS-275-50	DT50 Datataker	None
JS-275-50D	DT50 Datataker	PMD-01
JS-275-500	DT500 Datataker	None
JS-275-500D	DT500 Datataker	PMD-01
JS-275-600	DT600 Datataker	Integral
JS-275-505	DT505 Datataker	None
JS-275-505D	DT505 Datataker	PMD-01
JS-275-605	DT605 Datataker	Integral
JS-275-515	DT515 Datataker	None
JS-275-515D	DT515 Datataker	PMD-01
JS-275-615	DT615 Datataker	Integral



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