



ENVIRONMENTAL &  
SAFETY SYSTEMS

**HP-1 DATALOGGER SUB-SYSTEM**

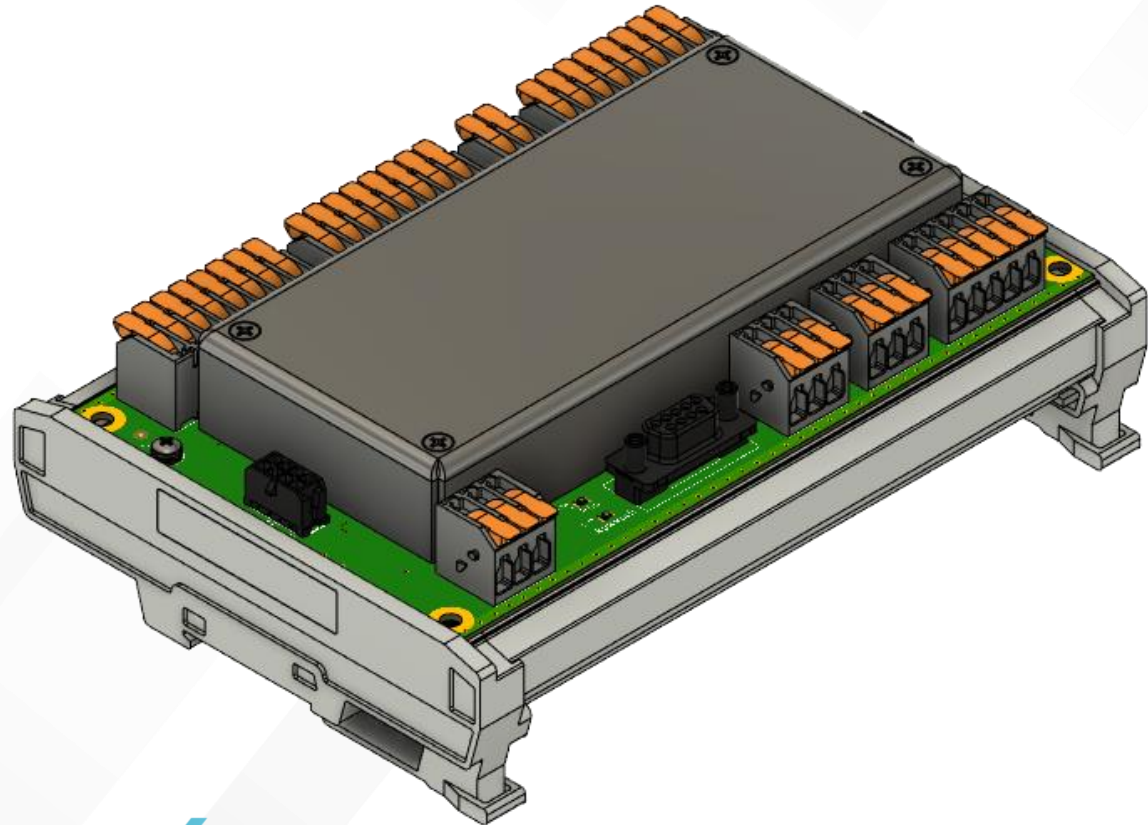
# HP-1 DATALOGGER CHARACTERISTICS

The HP-1 is an all-purpose monitoring and control SCADA RTU that allows users to easily receive, store, process, and send data from virtually any sensor in the market.

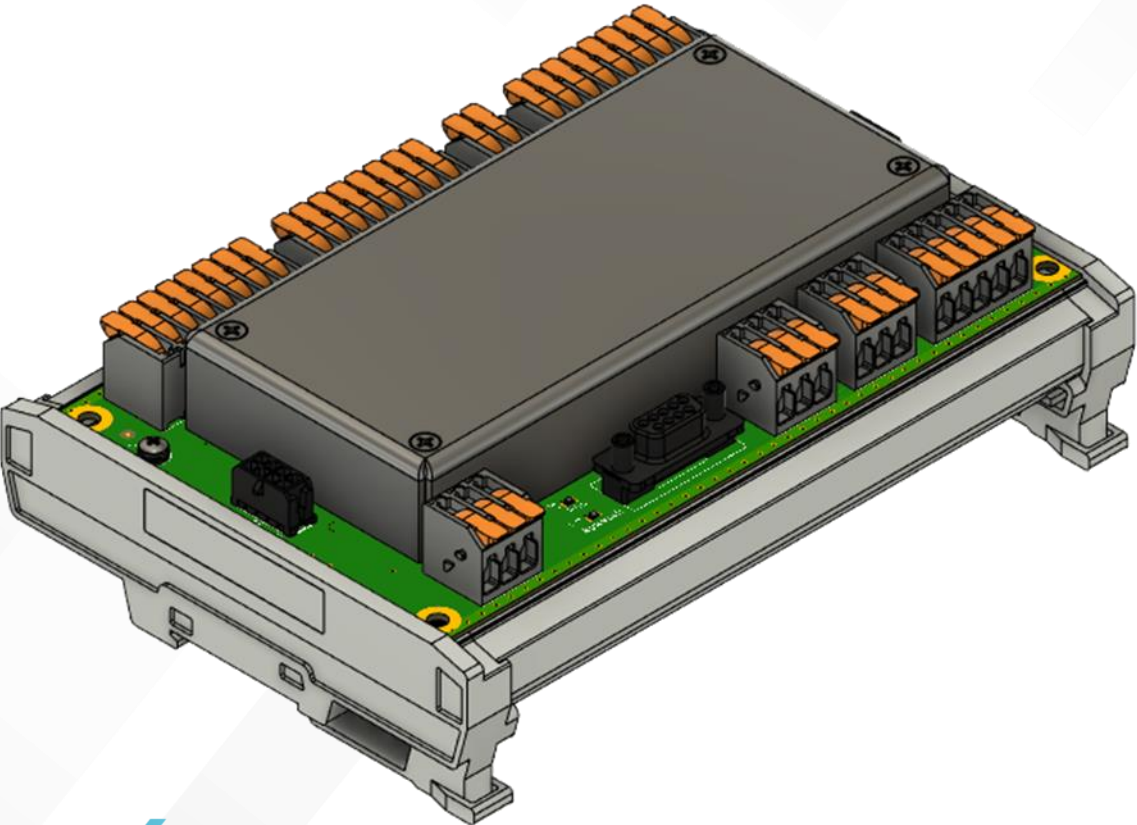
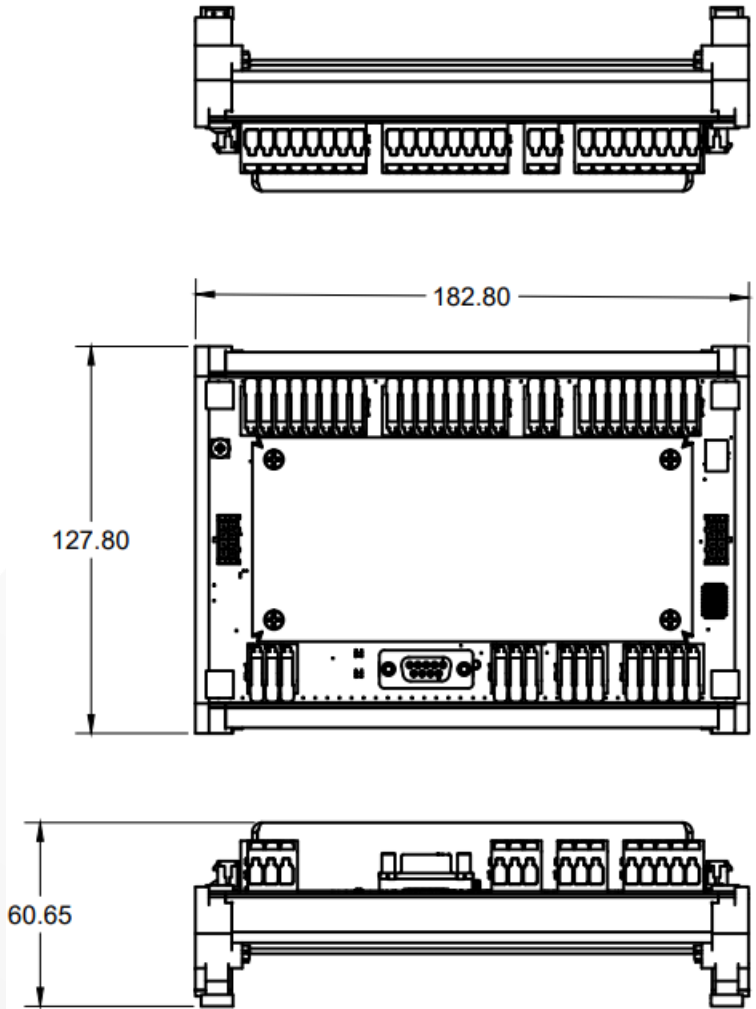
With its highly robust outputs, the HP-1 can control external devices to indicate alarms, such as drive indicator lamps or other similar devices. It is DIN rail mounted, making it extremely easy to install.

The HP-1 can be customized to incorporate client-proprietary communications protocols, I/O, and scripts, making this device unique in the industry.

Its MODBUS capabilities make it ideal for oil and gas, environmental monitoring, Industry 4.0, and IoT applications.



# HP-1 DATALOGGER DIMENSIONS



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System I/O	Remote Controller Channels	Range	Uses
Digital inputs	4	Fully isolated; 8-40 VDC; 7-30 VAC; sink or source	GO/NOGO from external devices, process inputs, etc
Digital outputs (200 mA)	4	Fully isolated open collector; 5-40 VDC external excitation; high or low side	Drive high impedance process outputs and devices
Analog inputs	4	Non-isolated; 0-40 VDC	System voltage/ Battery voltage
Current inputs	1	Isolated; 0-10 A	Current sensing of external devices



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System Communications	Number of Channels	Uses
RS-232	1	Product Configuration Utility (PCU); User Interface (UI);
RS-485	3	Modbus server (usable with client SCADA); Modbus client (usable with instruments); remote monitoring.
RS-232	3	Radio communications; remote monitoring
RS-422	1	Radio communications; remote monitoring
SDI-12	1	SDI-12 ; Communications for I/O expansion
CAN Bus	1	Monitoring

Optional System Communications	Number of Channels	Uses
USB	1	Host and device; memory expansion; memory stick; re-flash
Ethernet	1	Monitoring; configuration
WiFi	1	Monitoring; re-flash
Bluetooth	1	Monitoring; re-flash
GPS	1	Built-in receiver with on-board or external antenna for both positioning and synchronization



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