

LD500 Local Display System Specifications



Functions and Features

- Connects to any AdvantEDGE system.
- Convenient 1/4 DIN enclosure
- Display sensor and temperature data
- Menu Functions: Calibration, Configuration and Diagnostics
- Digital Protocol Options for remote measurement, calibrations, configurations, and diagnostics.
- One 4 to 20 mA loop output (Standard)
- Two 4 to 20 mA loop outputs (Optional)
- Two form C relays for alarm, control, and wash (Optional)
- PID for pH
- 7 Conduit knockouts for easy cabling

4 to 20 mA Current Loop Options

- One Isolated Current Loop (Standard)
- Two Isolated Current Loops (Optional)
- Assignable Parameters
- PID function when pH parameter selected
- Loop power provided by LD500

Relays/Optional

- Two 1 Amp form C relays with NO and NC contacts.
- Assignable Parameters
- Configured for Alarm, Control, & Timer Functions

Mounting Options

- Conduit Box, NEMA 4X (Standard)
- 1/2 DIN NEMA 4X Panel Mount (Optional)

Environmental Conditions

- Ambient Operating Temperature Range: -20 to 65 C
- Maximum Relative Humidity: 95% non-condensing
- Meets CE requirements for heavy industrial use.
- Nema 4X housing.

Digital Communication Options to Host

Computer Network

- MODBUS RTU
- Device Net
- Profibus DP/V1
- RS-232 ASCII
- RS-232 DF1
- RS485 ACSII
- CANOpen
- Others: Consult Factory

AdvantEDGE Sensor Connections

Supports 1 to 255 Modbus RTU AdvantEDGE sensors of any type.

- Supported Sensors: pH, ORP, Two Electrode Conductivity, Two electrode resistivity, Toroidal Conductivity, Dissolved Oxygen, Ozone, Turbidity, and Free Chlorine.

Power Supply

Input: 10 to 30 VDC; 90 to 240 VAC optional
Power: 2W at 25 C