

12-Channel Universal Input Paperless Recorder

This paperless recorder accepts standard current, voltage, frequency, millivolt, thermocouple, and RTD signals. It simultaneously detects, records, displays, and alarms 12 channels of signals.



Overview

High-Performance Data Recording

The 12-channel universal input paperless recorder is a robust solution designed for simultaneous detection, recording, and alarm monitoring of industrial signals. Equipped with a 32-bit ARM microprocessor, it delivers rapid screen response times under 0.2 seconds, ensuring real-time data accuracy. Its fully sealed aluminum enclosure and internal shielding make it suitable for operation in harsh industrial environments.

Display & Interface

Display Specifications

5.1 inch

Screen Size

160 px

Horizontal Resolution

128 px

Vertical Resolution

Screen Type

STN High-brightness monochrome graphic LCD with LED backlight

Input & Performance

Input Channels

12

Supported Input Signals

Standard Current, Standard Voltage, Frequency, Millivolt, Thermocouple, RTD

Measurement Accuracy

±0.5% of full scale

Power & Environment

Power Supply Range

85VAC - 265VAC

Transmitter Power Output

24VDC isolated

Features

Alarm Capabilities

- 12-channel relay alarm outputs
- Lower-lower limit alarm
- Lower limit alarm
- Upper limit alarm
- Upper-upper limit alarm
- Records last 15 alarm messages

Compensation Capabilities

- Up to 4 groups of temperature and pressure compensation
- Supports orifice plates and vortex streets
- Supports steam, water, and general gas compensation

Data & Reporting

- Large-capacity FLASH memory for historical data
- Hourly reports
- 8-hour shift reports
- 12-hour shift reports
- Daily and monthly reports