

# 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