

# 16-Channel Universal Input Paperless Recorder

This 16-channel paperless recorder accepts standard current, voltage, frequency, millivolt, thermocouple, and RTD signals. It features sensor isolation and distribution output, relay alarm output, transmission output, flow accumulation, temperature and pressure compensation, and historical data transfer.



## Overview

### High-Performance Data Recording

This 16-channel universal input paperless recorder is designed for precision monitoring and data logging in demanding industrial environments. Featuring a high-speed 32-bit ARM microprocessor and a 5.6-inch TFT color display, it provides rapid signal detection and clear visualization. The unit is built with a robust, fully sealed aluminum housing and offers extensive input compatibility, making it a reliable solution for temperature, pressure, and flow data management.

## System Architecture

### Display Specifications

**5.6 inch**  
Screen Size

**0.2 s**  
Response Time

Processor	32-bit ARM Microprocessor
Power Supply Range	85VAC - 265VAC
Housing & Protection	Full Aluminum Sealed Housing, Internal Shielding, Hardware Real-time Clock

## Input & Signal

### Compatible Signals

- Standard Current
- Standard Voltage
- Frequency
- Millivolt
- Thermocouple
- RTD

Input Channels	16 channels
Accuracy	±0.5% of full-scale
Channel Isolation	Yes

## Output & Alarm

Relay Alarm Outputs	12 channels
Transmission Output	4-20mA

## Software & Data

### Advanced Software Functions

Flow Accumulation • Temperature Compensation • Pressure Compensation • Password Security • Historical Data Transfer

### Numerical Display Range

-9999 to 19999

### Storage Medium

Large-capacity FLASH memory