Dual-Loop Digital Display Controller

This dual-loop digital display controller uses an advanced microprocessor for intelligent control. It is suitable for displaying and controlling various physical quantity detection signals such as temperature, humidity, pressure, liquid level, instantaneous flow rate, and velocity.

【双回路数字／光柱显示控制仪】

＞产品概述

双回路数字／光柱显示控制仪 采用先进的微处理器进行智能控制，适用于温度、湿度、压力、液位、瞬时流量、速度等多种物理量检测信号的显示及控制，并能对各种非线性输入信号进行高精度的线性校正。

可同时对两路信号分别进行显示及控制，两路输入信号亦可为不同类型的信号。输入端口均具备万能信号输入，只需通过仪表菜单的简单选定，即可实现不同类型输入信号（各种热电偶、热电阻、标准电压／标准电流信号）之间的轻松切换，提高了仪表的通用性和可靠性。

采用高亮度LED数码显示和高分辨率光柱显示（比例显示），使测量／控制值的显示更为清晰直观。显示方式有两种：双屏数码显示、双屏数码＋双光柱显示；控制方式：两路相互独立的继电器控制／报警输出或模拟量变送输出。

输出回路均采用光电隔离，抗干扰能力强，可带串行通讯接口。

＞仪表外形尺寸及开孔尺寸

外形尺寸：96×48×115mm
开孔尺寸：$92^{+0.7}_{-0}\times45^{+0.7}_{-0}$ mm

外形尺寸：48×96×115mm
开孔尺寸：$45^{+0.7}_{-0}\times92^{+0.7}_{-0}$ mm

外形尺寸：96×96×115mm
开孔尺寸：$92^{+0.7}_{-0}\times92^{+0.7}_{-0}$ mm

外形尺寸：160×80×115mm
开孔尺寸：$152^{+0.7}_{-0}\times76^{+0.7}_{-0}$ mm

外形尺寸：80×160×115mm
开孔尺寸：$76^{+0.7}_{-0}\times152^{+0.7}_{-0}$ mm

Product Overview

Intelligent Dual-Loop Control

This dual-loop digital display controller features an advanced microprocessor designed for high-precision control across various physical measurements including temperature, humidity, pressure, and flow rate. It offers universal input compatibility, allowing users to easily switch between thermocouples, RTDs, and standard voltage or current signals via the menu. With robust photoelectric isolation and flexible output options, this instrument provides reliable, interference-resistant performance for demanding industrial environments.

Technical Specifications

Control & Output Modes

- Independent relay control
- Alarm output
- Analog transmission output
- Serial communication interface

Supported Input Signals	Thermocouple, RTD, Standard Voltage, Standard Current

Display Features

Display Configurations

- Dual-screen digital display
- Dual-screen digital + dual light column display

Dimensions

Available Sizes (W x H x D)

Model Size	Cutout Size
96 x 48 x 115mm	92 x 45mm
48 x 96 x 115mm	45 x 92mm
96 x 96 x 115mm	92 x 92mm
160 x 80 x 115mm	152 x 76mm
80 x 160 x 115mm	76 x 152mm

Performance

Output Isolation	Yes