

# Digital Measurement and Control Unit

This measurement and control unit is a versatile instrument designed for precise measurement and control applications. It features a digital display for real-time monitoring and a keypad for configuration.



## Overview

### Advanced Digital Measurement and Control Unit

This digital measurement and control unit is engineered for high-precision industrial applications, featuring a robust 6U modular design that facilitates easy installation and maintenance. Utilizing a 32-bit embedded CPU and a real-time task system, it delivers exceptional stability and reliability even in demanding environments. The device offers comprehensive measurement capabilities with high accuracy for voltage, current, power, and frequency, making it an ideal solution for industrial automation and process control.

## Hardware & Design

Case Structure	6U Modular Design
Processor	32-bit Embedded CPU
Mounting Type	Back Insert Box

## Performance Metrics

### Measurement Accuracy

**0.2 magnitude**

Voltage/Current

**0.5 magnitude**

Power/Power Factor

**0.01 Hz**

Frequency

### EMC Performance

GB/T 4 Level Standard

## Environmental & Power

### Working Power Range

- 85-265 Vac
- 110 Vdc
- 220 Vdc

### Operating Temperature

-25°C to +70°C

## Features

### Key Capabilities

Real-time Clock, GPS Pulse Sync, Self-Diagnosis, Self-Calibration, Remote Control Output, Anti-Interference