Large Numerical Display Unit



Product Overview

DKKI Large Numerical Display Unit is a high-visibility monitoring solution designed for real-time process feedback in molten metal environments. It interfaces directly with DKK temperature and oxygen analyzers (DST-02, DST-03, DTO2) via RS232/RS485 serial communication, converting live data into oversized LED readouts visible from over 200 meters. Built for harsh industrial conditions, the unit features four large 7-segment LED modules (110 × 180 mm) housed in a rugged enclosure (520 × 350 × 130 mm, 10 kg). It supports alarm integration for traffic lights and sirens, enhancing operational safety. Compliant with IEC standards for electrical safety, EMI resilience, and fieldbus protocols, the unit offers plug-and-play setup with a 220V AC power supply.

Key Features

- Interfaces with DST-02, DST-03, DTO2 analyzers seamlessly
- RS232/RS485 serial communication for real-time data acquisition
- Four oversized LED modules for long-distance visibility
- Visible from over 200 meters in industrial environments
- Rugged enclosure withstands heat, dust, and mechanical stress
- Supports alarm systems including sirens and traffic lights
- Compliant with IEC 61010-1 electrical safety standards
- EMI-resistant per IEC 61131-2 industrial protocol compliance
- Plug-and-play setup with 220V AC power supply

Why DKKI

- Proven success for over three decades
- ISO 9001:2015 certified quality
- In-house testing under real operating conditions
- Free expert support and comprehensive training
- On-site consulting and troubleshooting
- Fast order processing with flexible logistics
- Standard products, customizable options
- Transparent partnerships that build trust
- Proactive customer engagement

Application Areas

- Steel mills monitoring temperature and oxygen in real time
- Foundries requiring remote display of molten metal parameters
- Casting zones needing high-visibility analyzer readouts
- Industrial plants integrating alarms with process displays
- Control rooms overseeing furnace operations from a distance

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Monitoring & Conformity Assessment Iran
CERTIFIED
ISO 9001:2015
Certificate No. IR0190126055

Technical Specifications

Parameter	Description
Display Type	Four 7-segment LED modules oversized format
Module Size	110 × 180 mm per LED segment
Visibility Range	Readable from over 200 meters away
Communication Interface	RS232 and RS485 serial data input
Analyzer Compatibility	DST-02 / DST-03 / DTO2 models supported
Alarm Integration	Supports sirens and traffic light systems
Power Supply Requirements	Operates on 220V AC input voltage
Enclosure Dimensions	520 × 350 × 130 mm total size
Unit Weight	Approximately 10 kilograms total mass
Standards Compliance	IEC 61010-1 / 61131-2 / 61158-2 certified