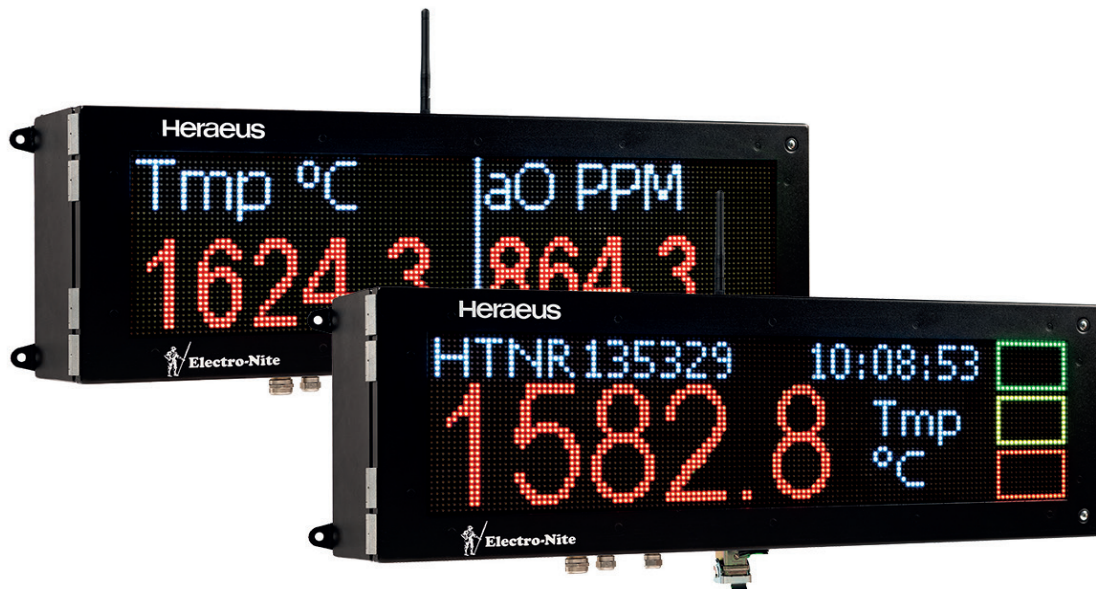# RD251
RD231
Large Format Numerical LED
Displays for Industrial Application

RD251, RD231
Large Format Numerical LED Displays
for Industrial Application

Introduction

The Remote Display is designed to display measurement results remotely from Heraeus Electro-Nite measuring instruments. The rugged construction of the large digital display type RD makes it suitable for use in challenging industrial locations like steel works and foundries. It can communicate with existing wired or wireless Heraeus Electro-Nite instruments.

The display can show single or multiple results and also signalization and time. All the important components such as electronics boards, input terminals, power supply switch, and so on are plug-in systems, therefore making servicing very easy.

There are two communication modes:
- the AN/RD mode (TTY, Ethernet) that needs to be used with instruments that do not have the new wireless display Remote protocol available yet
- the new Remote Protocol mode for wireless applications

Benefits

The extra bright and large LED digits provide a brilliant but clearly legible display, even when viewed from angles as great as 150°.

The instrument is equipped with a universal TTY-interface. This interface works with a 20 mA current loop and is galvanically isolated. It provides a high degree of immunity from interference and enable data to be transmitted over distances of up to 2 km.

It can also communicate with existing wireless Heraeus Electro-Nite instruments which are having ASCII telegram output (e.g. E4-line instruments and Sensorlab) and wireless Digilance IV/V.

Programmable measuring result display

Housing protection type IP54

Extended ambient temperature range -20°C up to +60°C.

Technical Data

Display	RGB LED	128*32 pixels	RD 251: pitch 5mm RD 231: pitch 3mm
Data input	TTY 20mA current loop, RS232	Ethernet	Wireless for Heraeus Electro-Nite instruments
Function test	LED check	automatic and manual	
Housing	steel plate housing	front panel non reflecting	protection IP54
Dimensions and weight RD251	dimensions: H=240mm, W=725mm, D=137mm	weight: approx. 11 kg	
Dimensions and weight RD231	dimensions: H=176mm, W=470mm, D=137mm	weight: approx. 8 kg	
Operating data	power supply: 100 to 240V AC, 50/60Hz, 1A max	power rating: 25W max	ambient temperature: -20°C to +60°C

Heraeus Electro-Nite

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