

Three-Phase Digital Power Meter

This multi-function power meter is designed for three-phase electrical systems, measuring voltage and current. It features digital inputs and outputs, RS485 communication, and supports a wide auxiliary power range.



ADDITIONAL IMAGES



Overview

High-Precision Three-Phase Monitoring

The 194DR is a high-end multi-function power meter specifically designed for DIN-rail mounting in industrial and commercial environments. Featuring a 1.6-inch dot matrix LCD screen, it provides clear visibility of multiple electrical parameters simultaneously, replacing traditional analog indicators. With 0.5 class accuracy and built-in virtual alarm triggers for voltage drop or flicker detection, it offers a robust solution for precise energy management and power quality tracing.

Key Performance Metrics

Core Performance

0.5

Accuracy Class

265 V

Max Aux Power

50 Lists

SOE Records

Technical Specifications

Current Input Options

- 5A
- 1A
- 100mA

Measurement Accuracy

Class 0.5

Voltage Input Range

90-380Vac

Power Supply

Auxiliary Power Supply

85-265V AC/DC (Universal)

Connectivity & I/O

Communication

RS-485 • Modbus/RTU

Input/Output Channels

Type	Quantity	Function
Pulse Output (PO)	1 Channel	Active energy counting
Digital Input (DI)	4 Channels (Optional)	Status monitoring
Digital Output (DO)	2 Channels (Optional)	Control/Alarms

Advanced Features

Monitoring & Alarms

Voltage Drop Detection, Flicker Event Recording, SOE Record (50 lists), 5 Virtual Alarm Triggers, Multi-tariff Ratio (Optional)

Installation

Mounting Method

Standard DIN-Rail Mounting

Display Technology

1.6" Dot Matrix LCD Screen

Compliance

Safety & Standards

CE, ITF Technology (Galvanic Insulation)