

Frequency to DC Converter

This frequency to DC converter transforms frequency signals into proportional DC voltage or current signals. It is designed for monitoring and controlling frequency-dependent parameters in applications such as motor speed control and process automation.



ADDITIONAL IMAGES



Product Overview

High-Precision Frequency Transduction

The QPV Frequency Transducer is engineered to convert AC or DC voltage and current inputs into stable, load-independent output signals. Utilizing advanced RMS measurement technology, it maintains high accuracy even with distorted waveforms. Designed for industrial robustness, the unit features a wide auxiliary power range and 35mm DIN rail mounting for seamless integration into existing control and SCADA systems.

Performance Metrics

Core Specifications

0.5 class

Accuracy Class

500 ms

Response Time

85 VAC

Min Auxiliary Voltage

265 VAC

Max Auxiliary Voltage

Technical Standards

Regulatory Standards

IEC 60688, IEC 60255-5, IEC 60255-22 Class III

Configuration & Features

System Capabilities

- 4-channel analog output
- Supports 22 parameter types
- Front panel 4-keypad configuration
- RS-485 remote data interface
- Optional SOE function

Mounting & Installation

Installation

35mm DIN rail

Applications

Common Industrial Use Cases

Instrumentation Panels • Control Systems • Electrical Distribution • Transmission Systems • Generators • SCADA Systems