

Sigma³ Flow Computer

Precision and reliability in flow measurement and control.

The Sigma³ Flow Computer is a versatile, high-performance solution for managing and monitoring liquid and gas measurement systems.

Designed for rack mounting, it ensures accurate fiscal measurement, custody transfer, and batch loading of petroleum products in various phases.

With robust hardware and software, the Sigma³ Flow Computer supports multistream applications and integrates seamlessly with a wide range of flow meters, providing precise and reliable measurement capabilities.

Features and Benefits

Modular Rack System

Our flow computer rack accommodates up to six flow computers.

Measurement Standards Support

Guidant's Sigma³ Flow Computer supports industry-standard gas and liquid measurement calculations.

Seamless Integration

The input/output module is compatible with existing FPM207CE hardware, reducing your need for cabinet modifications.

Modern OS Platform

Sigma³ Flow Computer runs on a robust Linux operating system for enhanced stability and security.

Virtual Flow Computer

The Sigma³ software can run on any PC when hardware input/output is not required.



Technical Specifications

Operating System	Linux 5.10
CPU and Memory	800 megahertz (MHz) ARM Cortex-A9, 512 megabytes (MB) dynamic random access memory (DRAM), 8 gigabytes (GB) flash storage
Connectivity	Ethernet, RS422/485, RS232/485, HART
Digital I/O	Sixteen opto-isolated inputs, 24 volts direct current (VDC)
Analog I/O with HART	Four channels, 4-20 milliamperes (mA) Over 16-bit resolution
Frequency Inputs	Four opto-isolated, range 0 - 50 kilohertz (kHz) Accuracy < 0.003%
Pulse Inputs	Four dual-pulse trains ISO 6551 Level A Range 0 - 50 kHz

For more information or to discuss purchase options, contact us at: metering.services@guidantmeasurement.com.

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About Guidant

As the undisputed leader in liquid and gas custody transfer solutions with the largest global install base, Guidant's legacy is built on more than 90 years of expertise, accuracy, reliability, and best-in-class technologies. We are a private company focused on the measurement solutions business, serving emerging and established energy markets across the globe.

Corporate Website

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