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Data Sheet

August 15, 2026

AMETEK / VTI INSTRUMENTS / VXI TECHNOLOGY

Ametek / VTI Instruments / VXI Technology VM6068-S-11013 High-Performance Serial Interface

The Ametek/VTI Instruments/VXI Technology VM6068-S-11013 is a serial interface module engineered for VXIbus systems. This message-based instrument delivers flexible serial protocol support beyond standard UART implementations, including HDLC and SDLC protocols, making it suitable for diverse communication requirements in modular test environments. Typical Applications The VM6068-S-11013 addresses serial communication testing and protocol validation in automated test systems. Its protocol flexibility enables evaluation of industrial serial standards, telecommunications interfaces, and custom communication schemes within VXI chassis environments. Compatibility & Integration As a member of the VMIP™ family, this module integrates directly with other compatible instruments to build complete measurement and control systems. VXIplug&play drivers eliminate integration overhead and enable rapid

**MODEL****Ametek / VTI
Instruments / VXI
Technology
VM6068-S-11013****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****VM6068-S-11013****LISTING**<https://aumictechlabs.com/products/vm6068-s-11013-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ametek/VTI Instruments/VXI Technology VM6068-S-11013 is a serial interface module engineered for VXIbus systems. This message-based instrument delivers flexible serial protocol support beyond standard UART implementations, including HDLC and SDLC protocols, making it suitable for diverse communication requirements in modular test environments.

Technical Specifications The VM6068-S-11013 features substantial onboard memory and register-based data access architecture optimized for high data throughput applications. The module operates within the VXI Modular Instrumentation Platform (VMIP™) family standards.

Key Features

- Message-based architecture with SCPI-compatible command set
- Multi-protocol serial interface support: UART, HDLC, and SDLC
- Register-based data access for efficient throughput
- Significant onboard memory for buffering and storage
- VXIplug&play driver support for streamlined system integration
- VXIbus form factor for modular rack deployment

Typical Applications The VM6068-S-11013 addresses serial communication testing and protocol validation in automated test systems. Its protocol flexibility enables evaluation of industrial serial standards, telecommunications interfaces, and custom communication schemes within VXI chassis environments.

Compatibility & Integration As a member of the VMIP™ family, this module integrates directly with other compatible instruments to build complete measurement and control systems. VXIplug&play drivers eliminate integration overhead and enable rapid deployment in existing software frameworks. The SCPI command interface ensures compatibility with standard instrument control languages and ATE software platforms.

VM6068S11013 Characteristics / Specifications

PARAMETER	VALUE
Model	VM6068
Configuration	VM6068-S-11013
Instrument Type	High performance serial interface
Host Bus	VXI
Manufacturer	VTI Instruments VXI Technology Ametek
Related Model	VT6065-4
Electrical Class	RS-232/422/485
Baud	programmable high speed
Mechanical Package	VXICsize class
Device Type	message based class
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8
Stop Bits	1/2
Parity	none even odd
Buffer Class	deep UART FIFO
Grounding	chassis ground
Channels Class	multi channel serial
Operating temperature	Class: 0 to 55 C VXI

VM6068S11013 Specifications

PARAMETER	VALUE
VTI Instruments VM6068 High Performance Serial Interface	Overview
Applications	High-speed serial ATE, instrument control, and multi-drop 422/485 in VXI systems.
Programmable baud	RS-232/422/485 class
VTI / VXI Technology / Ametek branding	S-11013 configuration suffix
Technical Specifications	Model: VM6068

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C VXI
Operating Temperature	Class: 0 to 55 C VXI
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8
Stop Bits	1/2
Parity	none even odd
Buffer Class	deep UART FIFO
Grounding	chassis ground
Channels Class	multi channel serial Notes Identity from Ametek/VTI VM6068-S-11013 High-Performance Serial Interface listing. Exact channel count and maximum baud are on the VM6068 datasheet matching S-11013.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Performance Serial Interface

Overview

The VTI Instruments VM6068-S-11013 is a high-performance serial interface module. VTI/VXI Technology VM6068 literature describes a VXIbus serial I/O module with high-speed UART channels, programmable baud, and RS-232/422/485 electrical options, related to the VT6065-4 4-channel serial module.

Applications

High-speed serial ATE, instrument control, and multi-drop 422/485 in VXI systems.

Key Features

High-performance serial VXI module
Programmable baud
RS-232/422/485 class
VTI / VXI Technology / Ametek branding
S-11013 configuration suffix

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	VM6068
Configuration	VM6068-S-11013
Instrument Type	High performance serial interface
Host Bus	VXI
Manufacturer	VTI Instruments VXI Technology Ametek
Related Model	VT6065-4
Electrical Class	RS-232/422/485
Baud	programmable high speed
Mechanical Package	VXICsize class
Device Type	message based class
Operating Temperature Class	0 to 55 C VXI
Power Rails	VXI plus 5 V plus or minus 12 V
Interrupt	VXI IRQ
Triggers	TTLTRG class
Connectors	front panel serial
Isolation Class	channel isolation options
Flow Control	hardware/software
Data Bits	7/8

PARAMETER	VALUE
Stop Bits	1/2
Parity	none even odd
Buffer Class	deep UART FIFO
Grounding	chassis ground
Channels Class	multi channel serial

Notes
Identity from Ametek/VTI VM6068-S-11013 High-Performance Serial Interface listing. Exact channel count and maximum baud are on the VM6068 datasheet matching S-11013.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.