KISTLER-MORSE
Measure of Success

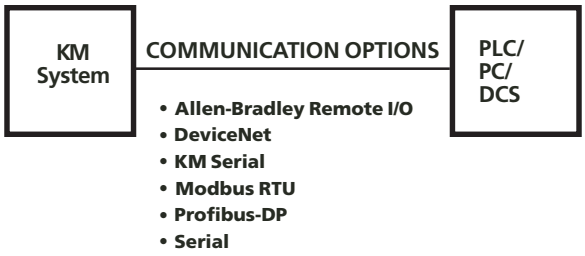
Technical Specifications

PLC/PC Digital Bus Interfaces

Flexible interconnectivity to a wide range of digital buses offers accurate and efficient transfer of system data and operating parameters.

KM provides a wide range of direct digital connectivity options for direct connection to PLC and PC digital interfaces. This digital connection is in addition to traditional methods of analog outputs and relays to exchange data for use by a control and monitoring system. Digital interfaces offer greater data resolution, simpler wiring, as well as more data than the traditional analog data exchange methods. The digital interfaces are available as on-board signal processor options for in-process industries where speed and dedicated devices are essential. For bulk inventory systems, the built-in serial data exchange of KM signal processors provides local information displays and the ability to consolidate the digital data for lower installed costs.

All of the interfaces are KM designed and developed to provide optimal data exchange of operational and setup parameters rather than relying on third party interface add-on cards. This assures a better understanding of the bus interface requirements in which KM can help customers select the best interface for their data exchanges. Desired data arrives as requested without internal system delays or multiple data strings. Different data can be requested from the signal processor without having to reconfigure the signal processor in the field.



Features & Benefits

High Resolution
Avoids multiple conversion errors from analog to digital and back.

Simplified Installation
Documented interfaces. Multi-drop from same cable.

Flexibility
Use the appropriate interface and system grouping for optimal system performance and to minimize installed costs.

Easier System Validation
No need to check multiple current loop interfaces and scale factors. Digital data arrives in pre-assigned data registers exactly as calculated from the signal processor.

Specifications:

By Interface to KM Product

Allen-Bradley Remote I/O

On-Board Option Card

SVS 2000
Weigh II
MVS-4D/8D
Sonologic II

Serial port connection to MVS-4D/8D through

MVS-RIO or to KMM-RIO

SVS 2000
STX
MVS-STX
Weigh II
Sonologic II

DeviceNet Slave

On-Board Option Card

SVS 2000

Modbus RTU Slave

On-Board Option Card

MVS-4D/8D

Serial port connection to MVS-4D/8D through

MVS-MODBUS

SVS 2000
STX
MVS-STX
Weigh II
Sonologic II

Profibus DP Slave

On-Board Option Card

Sonologic II

Commands Supported

Gross / Net Weight & Tare (Weight)
Level / Flow (Sonologic)
Calibration Data

Allen-Bradley Remote I/O Compatability (via Remote I/O Blue Hose):

Discrete Transfer Logical Rack Space

Model	*Channels*	*Rack Space*
MVS-RIO-1	*2-3*	*1/2*
	4	*3/4*
	5-6	*1*
MVS-RIO-2	*6*	*1*
	7-8	*1-3/4*
	9-12	*2*

Block Transfer Logical Rack Space

Model	*Channels*	*Rack Space*
MVS-RIO-1	*1-32*	*1/4*
MVS-RIO-2	*1-64*	*1/2*

By Product Using On-Board Option Card

SVS 2000

Allen-Bradley Remote I/O
DeviceNet

Weigh II

Allen-Bradley Remote I/O

MVS

Allen-Bradley Remote I/O
Modbus RTU Slave

Sonologic II

Allen-Bradley Remote I/O
Profibus DP

Serial Connection to MVS-RIO, MVS-Modbus or KMM-RIO

SVS 2000
Weigh II
Sonologic II
STX

P/N 97-7062-01 Rev A

KM is represented in your area by:

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