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ASI DataMyte
Total Quality Solutions

ASI DataMyte Intelligent Multiplexers

Get Connected with ASI DataMyte Intelligent Multiplexers

Connecting measurement devices to quality control inspection workstations is often a complex, time-consuming job. ASI DataMyte offers both digital and analog multiplexers to make this an effortless task. Multiplexers can be used with your shop-floor computer or with ASI DataMyte data collectors to improve and expand data collection capability.

ASI DataMyte multiplexers connect with thousands of gages and instruments from hundreds of manufacturers. They are a proven solution for manufacturing operations worldwide.

The Economical MicroPort

The MicroPort is a general purpose, microprocessor controlled interface that provides connectivity to digital hand gages and dial indicators. This powerful, low cost alternative is designed for users who need to interface with a limited number of gages without sacrificing performance.



Each MicroPort offers four (4) digital or BCD input ports in a factory-hardened shell. In addition to accepting input from all standard gages, the MicroPort includes TTL outputs for triggering alarm lights or other external devices.

All ports are software controlled and have no jumpers or DIP switches to set. The digital gaging ports may be individually configured to accept input from different gages via a gage send button or foot switch. The MicroPort design also provides flexibility. Up to eight MicroPorts may be daisy chained together, offering a 32 port configuration.

MicroPort Features

- Standalone, factory hardened gage interface device
- Two (2) TTL outputs for triggering motors, alarm lights, etc.
- Includes power adaptor and interface cable
- Can be used with foot switch, gage send button or continuous scan
- Communicates at 19.2 KB
- Daisy chaining expands available input ports

Model 912 and 911 Multiplexers

The DataMyte Model 912 digital/serial and 911 analog multiplexers can be used with a computer running ASI DataMyte data collection software or with DataMyte 953 and 3000-series data collectors to expand data collection capacity. Each multiplexer has four gage ports.

Key Points:

- An easy way to connect gages
- Can be used with shop floor computers

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The 912 digital multiplexer can be used with a wide variety of digital or serial gages. Different gage types, such as calipers, micrometers, indicators, thickness testers and weigh scales, each from different gage manufacturers, can be intermixed on one 912 multiplexer. The 911 analog multiplexer accommodates a wide variety of high-level analog gages, and allows column gages of different manufacturers to be connected side-by-side.

Several multiplexers can be linked together in a daisy chain, with up to eight multiplexers connected to one 953 data collector, or up to four multiplexers connected to a 3000-series data collector. The 912 digital and the 911 analog multiplexers can be mixed and matched within a daisy chain.

The multiplexers use their own connector on the data collector instead of using a gage port. This lets you connect as many as 36 gages simultaneously to one data collector.

912 and 911 Features

- Resident gage interface intelligence; no need to set dip switches
- Easily updated with new gage information
- Built-in TIR; with all calculations performed in the multiplexer
- Cables can be shared with ASI DataMyte data collectors
- Can be used with foot switch, gage send button or continuous scan



Measurement Devices Supported

ASI DataMyte multiplexers support a wide variety of digital measurement devices. A partial list of handheld instrument suppliers supported includes:

- Mitutoyo
- Federal Maxum
- Fowler
- Starrett
- Digitrix
- Chicago Dial
- Ono Sokki
- Brown and Sharpe
- Trimos and Mini-Trimos
- RS 232
- RS 422

The 911 analog multiplexer accepts high-level analog gage inputs of up to +/- 1 VDC to +/- 10 VDC, with accuracy of 0.01% FS from 16-bit A/D. To find out more about the ASI DataMyte multiplexers, visit our website at www.asidatamyte.com or call ASI DataMyte toll-free at 1-800-207-5631.

Multiplexer Specifications

	MicroPort	911	912
Height	2.75 in.	1.50 in.	1.50 in.
Width	5.00 in.	5.50 in.	5.50 in.
Depth	7.0 in.	8.50 in.	8.50 in.
Ports	4 digital	4 analog	4 digital serial
RS-232/422	1	1	1
Daisy Chain Ports	1	1	1
Footswitch Input	1	1	1
TTL Outputs	2		
Temp Range	0-50° C	0-50° C	0-50° C



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