

Etamic Pneutamic

Air Gauge Display Unit



Specification		Pneutamic
Measurement range	Metric	from ± 0.01 to ± 0.1
	Inch	from ± 0.00025 to ± 0.005 "
Precision		0.5% of measuring range
Digital Display		8 digits
Protection		IP65
Operating temperature		+5°C / +50°C
Power supply		230 / 115VAC
Stacking		8 units
Data output		RS232
Air supply pressure		2 to 4 bar
Air saving unit		Can be integrated as an option

The Pneutamic, when used with an air gauge, is capable of performing extremely high precision dimensional measurements. The unit is simple to use and does not require any adjustments. The modular design of the Pneutamic simplifies the connection and data exchange between units and/or an external network. A complete range of standard and special products that may be used in conjunction with the Pneutamic is available on request.

Features

- Combined dial and digital display
- Non contact measurement
- Stable, durable and reliable
- Static or dynamic measurement
- High accuracy with 0.1 μ m resolution
- Compatible with any air gauging device for normal or differential measurement

The Pneutamic is fully programmable using three data entry keys as follows:-

Display

- Actual dimension or difference from a movable zero
- Metric or inch settings
- Dimension status ie. within specification, oversize or undersize
- Reversible display

Measurement

- Simple or differential
- Dynamic Gauging with "hold" feature: Max., Min., T.I.R., (Max.+Min.)/2
- Upper and lower tolerance limits
- Zero offset
- Compensation for surface finish
- Measurement result memorised with auto reset on each gauging cycle

Mastering (two options)

- Single master set within specification limits
- Max/min masters. The Pneutamic computes the gain automatically based on certified values of the masters.