

PORTAMIC HAND HELD DIGITAL AIR GAGING INDICATOR



● **Description**

The PORTAMIC is a digital indicator to be used with any single port air gaging tooling. It is designed to perform very accurate and repeatable measurements in harsh manufacturing environment. The PORTAMIC is low cost, simple, rugged, light weigh, easy to integrate and user friendly.



● **Features**

The PORTAMIC offers the following benefits :

- . No contact measurement.
- . Accuracy.
- . Metric or inch (selectable).
- . Resolution -Metric = 0.0001mm
-Inch = .000001"
- . Repeatability.
- . Stability.
- . Fast Response Time.
- . Durability.
- . Reliability.
- . Cleaning of measured surfaces.
- . Static and dynamic measurements.



● Configuration

The PORTAMIC air digital indicator is fully programmable using three data entry keys :

Display

The PORTAMIC provides the following information to the operator :

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

Measurement

- . Simple $\pm A$
- . Dynamic Gaging with "hold" feature : Max., Min., T.I.R., (Max.+Min.)/2
- . Upper and lower tolerance limits
- . Zero offset
- . Compensation for surface finish
- . Memorization of measurement result with auto reset at each gaging cycle

Mastering

- . With one master anywhere within part specification limits
- . With one set of min - max masters, the PORTAMIC computes the gain automatically based on certified values of the masters



● Technical characteristics

Outlet port for mounting of air tooling	M20x100
Measuring range	Metric: from ± 0.005 to ± 0.120 Inch: from ± 0.00025 to ± 0.005 "
Digital display	8-digits
Protection	ISO: IPS4 USA: Nema 12
Operating temperature	+5°C to 50°C/40F to 120°F
Air supply pressure	2 to 4 bars (30 to 60 PSI). The Portamic is not affected by variation of air supply pressure within these limits.
Batteries	Two 3.6V batteries supply power to the electronic of the Portamic for about 1 year (standby battery saver).
Air consumption	Cubic meter per hour/Cubic feet per min.



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