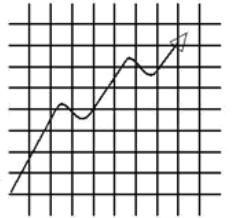


*Series
Micron*



DIGITAL AIR GAUGE

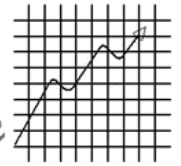


An ISO 9001:2015
Certified Company

INNOVATING
THE WAY

Series

Micron



Precision | Durable | Economical | Reliable | Fast

Cherry Precision Products introduces Digital Air Gauge for an efficient measurement based on "Micro-processor based embedded technology" and "Non Contact Air Sensing", with integrated Statistical Process Control software to store data in PC and to get process capability and process performance chart.

Cherry's digital air gauge is ideal for measuring dimensions with tolerance less than 1 micron. It is a non contact means of comparative dimension measurement. It uses steel plugs or ring with precision orifices, as air passes these orifices, results in pressure versus distance curve. When the orifice is restricted, the flow is reduced and pressure builds up into the system. This principle is used to monitor distance between air jet face and the part surface resulting in accurate measurement of the machined components.

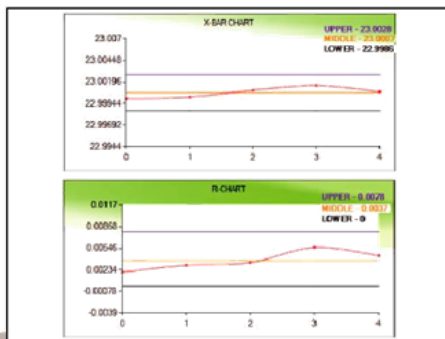


TM 100 KU

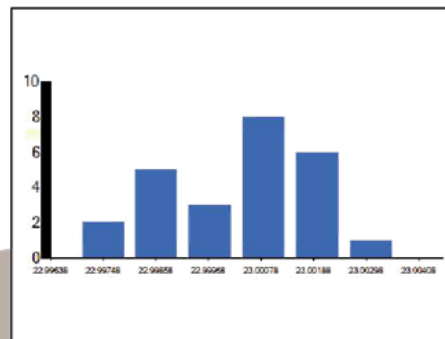
Applications

For Measuring

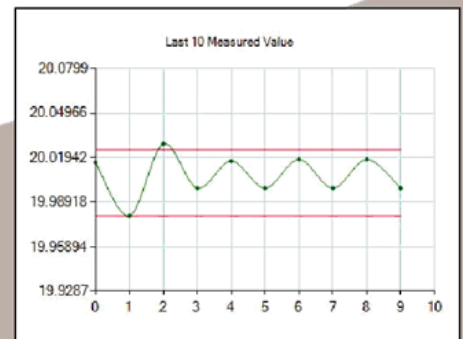
- Inside Diameter
- Outside Diameter
- Averaging
- Roundness



X bar and R chart



Histogram



Live Run Chart



TM 100 M

Cherry's Air Gauge TM100 comes with an Advanced SPC software to analyze the data measured.

The salient features of this software includes,

- CPK, PPK on a single window
- X bar chart, R chart and Histogram analysis
- Live run chart for measurements
- Detailed process value report
- Rejection analysis
- Date and time based filtration
- Filtration based on all machining parameters

Features

- Tri color indications for accept/reject/rework
- Optional RS232/ USB serial data output
- Optional USB key board/barcode interface for data entry
- Integrated Statistical Process Control software in PC
- Real time clock
- Operates at 3 bar

Benefits

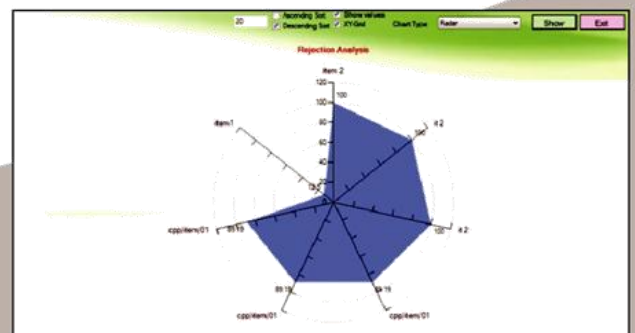
- Long life of tool due to non contact gauging
- Easier data analysis
- Improved work flow and productivity
- Eliminates measuring error
- Decreased down time

Advantages

- Accessibility
- User friendly
- Saves time and eliminates the manual errors during calculation
- Easy documentation

Statistical Process Control (R and R chart)									
Item Code	root62			Machine Name	CNC				
Item Name	bracket			Employee Name	rajul				
Dimension	Z3			Customer Name	-AJ-				
Sample	Group Size					R	X Bar	CPK	
K	X1	X2	X3	X4	X5	R	X Bar	CPK _L	CPK _U
1	22.999	22.999	23.001	23.001	23	0.002	23	1.4142	1.114201
2	22.999	23.001	22.999	23	23.002	0.003	23.0002	1.1142	1.25
3	23.0013	23.0024	23.0013	22.999	23.001	0.0034	23.001	1.4538	1.1453
4	23.0036	23.0013	23.0024	23.0024	22.998	0.0056	23.00154	1.1453	1.2995
5	23.0024	23.0013	23	22.998	23.0024	0.0044	23.00082		
Result : Process Need Correction.								PPK _L	1.4538
								PPK _U	1.1453
								PPK	1.1453
								PP	1.2995

CPK & PPK



REJECTION ANALYSIS

Specifications	Basic Model TM 100	USB Model TM 100KU	Rs232 Model TM 100KR	USB Model TM 100M
Input supply : 230 V AC	Yes	Yes	Yes	Yes
Tri Colour display	Yes	Yes	Yes	Yes
Key board	No	Yes	Yes	Yes
USB storage (pen drive)	No	Yes	No	Yes
RS 232 connection	No	No	Yes	No
Statistical process control software	No	Yes	Yes	Yes
No. of Ports	1	1	1	2, 4, 6



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Marketing & Service Associate