Gage-Chek®

The Gage-Chek is a multi-axis metrology display that accepts up to eight discrete inputs. It features intuitive visual displays, helpful audio cues and user-defined formulas. It also reports dynamic Min/Max measurements, provides SPC analyses from an integrated database and includes connectivity to PCs and other peripherals.

Specifications

LCD	5.9″ Color
Resolution down to	0.000004″ or 0.0001 mm
Operating temperature	0°C to 45°C
Enclosure (W x H x D)	11.5″ x 7.5″ x 2.75″
Base (W x H x D)	10″ x 2″ x 7.5″
Enclosure weight	3.5 lbs
Base weight	7 lbs
Power Voltage range	85 Vac to 264 Vac
Power frequency range	43 Hz to 63 Hz

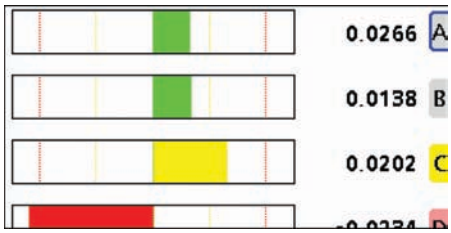
Inputs

1, 4, 8 or 16 input measurement channels

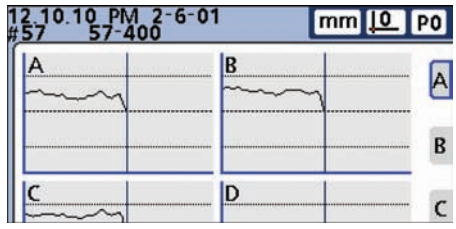
External connections:
- Footswitch
- Remote keypad
- Touch probe
- RS-232C serial port
- USB port
- Parallel data port

Outputs

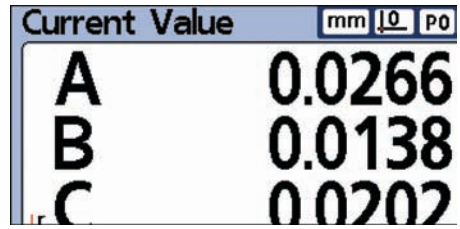
2 relay outputs
Parallel data port
RS-232C serial port
USB port



Visual feedback A highly visible, intuitive and familiar interface with standard color cues. Instantly informs operators of pass/fail performance details for critical part dimensions.



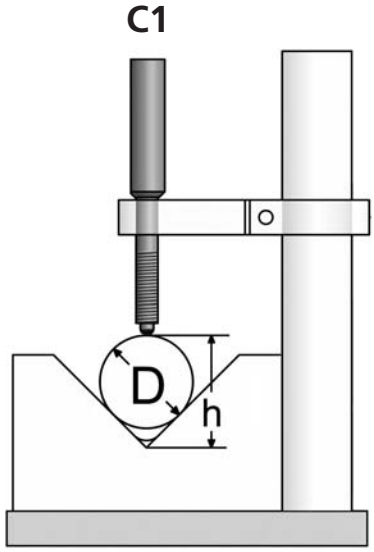
Integrated SPC database Store, retrieve and manage enormous amounts of measurement data on the shop floor. Check quality control of each gage. Share information locally and globally.

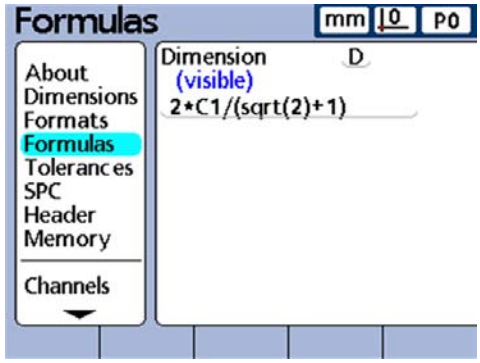


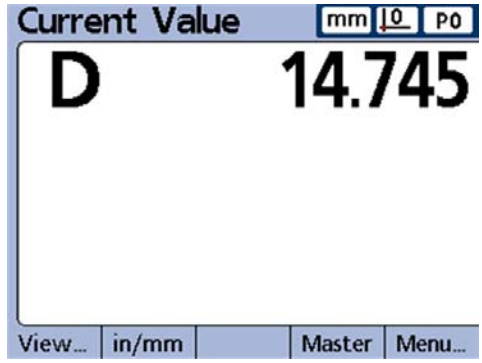
Formulas Up to 16 output channels apply mathematical formulas to measurement data for on-the-spot part analysis.

Powerful formulas

Create Gage-Chek formulas that transform simple measurements into the specific data you need for your unique applications; as shown in this example of a pin gage application.





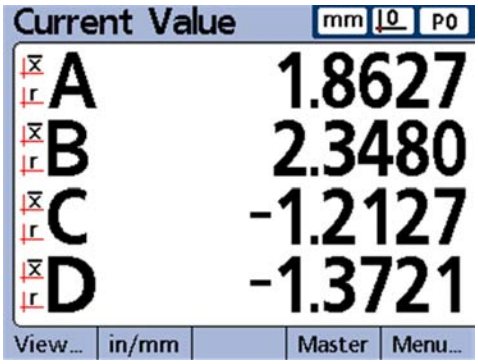


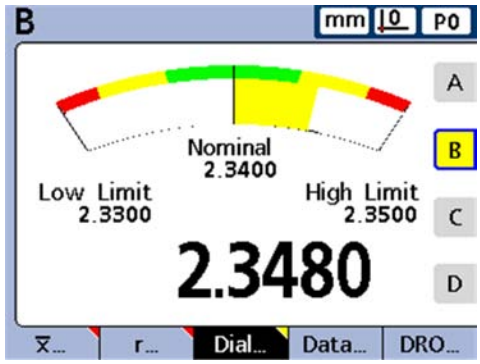
Encoder measurement (C1) → transformed by the formula → displays pin diameter (D)

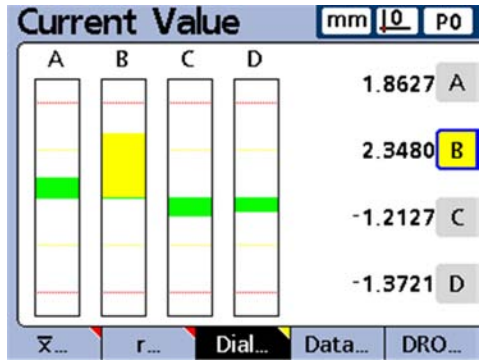
$$\textit{Pin Diameter } D = \frac{2\,(h)}{(\sqrt{2}+1)}$$

Flexible data views

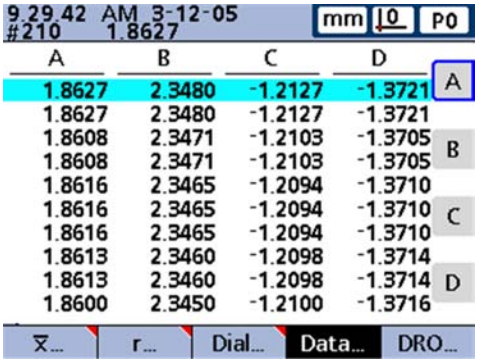
Change Gage-Chek data presentations at the touch of a button. Display simple numeric digital readouts, dial gages, bar graphs, database tables or statistical analyses.

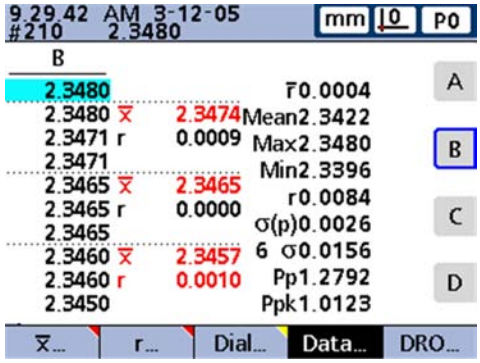


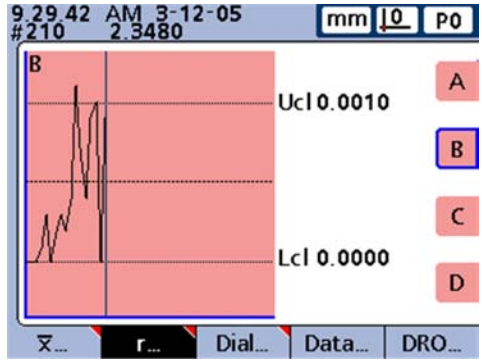




Digital readouts, dials and bar graphs Display numeric and graphical current value, nominal, limit and warning information.







Database tables and graphs Display raw measurement data, results of statistical analyses and data trends.

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