D500 Gage Controller

Accuracy, flexibility and power for demanding gaging applications

For more than 35 years Control Gaging Inc. has been tackling the constantly evolving measurement needs of world-class machine tool builders and component manufacturers.

Building from our expanding reservoir of software features, and taking advantage of the latest hardware, the D500 Gage Controller advances the art of process control. Whether your requirement is multi-feature, automatic-changeover grinder control or complex inspection-with-feedback, the D500 can be configured to meet your needs.

A unique Windows-based interface provides operators with full navigation and execution from a simplified keypad. The color LCD screen can be configured to display multiple gage meters with I/O and process indicators for each. A USB mouse and keyboard can also be connected for special interface needs.

In keeping with Control Gaging’s worldwide reputation for durability, the D500 is built of factory-hardened components and housed in a sturdy metal enclosure. The D500 is backed by a two-year warranty.

Simple keypad interface
Smooth or interrupted surfaces
In-process or post-process applications
SPC / Data Storage

Innovative use of advanced DSP technology gives a stable, sub-micron data stream for the software to process. And experienced Control Gaging field and software engineers have been working closely together for years to create powerful, reliable techniques for dynamic workpiece measurement and for process improvement on the factory floor. The result is a uniquely capable product for a wide spectrum of close-tolerance applications.

Optional Hardware and Software Features

- BCD/binary outputs
- Diverter control
- Grindline control
- Intelligent Process Control (IPC)
- Language selection
- Locator outputs
- Multi-channel zeroing
- Multi-Part selection
- Multi-diameter selection
- Out-of-round/Runout
- Panel mount
- Part counter
- Proportional analog output
- Remote compensation
- Remote zeroing
- Profiling/Part shape
- Stock removal preset
- Taper
- “Wide-range gaging” to 25mm
- ...and more
D500 Chassis Dimensions - Standard, Panel Mount, and Remote Panel

General Specifications

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<th>Specification</th>
<th>Standard</th>
<th>Panel Mount</th>
<th>Remote Panel</th>
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<tr>
<td>Weight</td>
<td>2.3 kg</td>
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<td>Chassis</td>
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