Starrett®

776 Series Gage-Chek™ Multi-Axis Measured Value Display

The Gage-Chek™ 776 is a multi-axis measured value display that accepts up to eight inputs. It features intuitive visual display, helpful audio cues and user-defined formulas. Gage-Chek also reports dynamic Min/Max measurements, provides SPC analysis from an integrated database, and includes connectivity to PCs and other Starrett tools.

Features

- Large (6") color flat-panel LCD screen built into a compact ergonomically designed case with an adjustable tilt base, allows comfortable positioning for the operator

- Supports 1, 4 or 8 input channels. These can be mathematically combined to display dimensions such as flatness, volume or runout

- Screens include individual readings with the capacity to display four lines simultaneously (each line 9/16" high), bar and dial position style displays, graphs and histograms of measurement statistics, and tables of measurement and SPC data

- Supports Starrett 776 Series LVTD probes and Heidenhain Specto style 12 and 30mm range digital probes

- Measurements can be taken by the operator or in a semi-automated manner

- Large comfortable buttons allow easy selection of measurement functions, display screen changes, data entry and zeroing the screen

- Speaker and external jack outputs can be adjusted to compensate for noisy work environments. Earphones can be plugged into speaker jack for silent operation

- Two 3" x 1/2" keys placed over the screen can be programmed as hot keys for frequently used functions
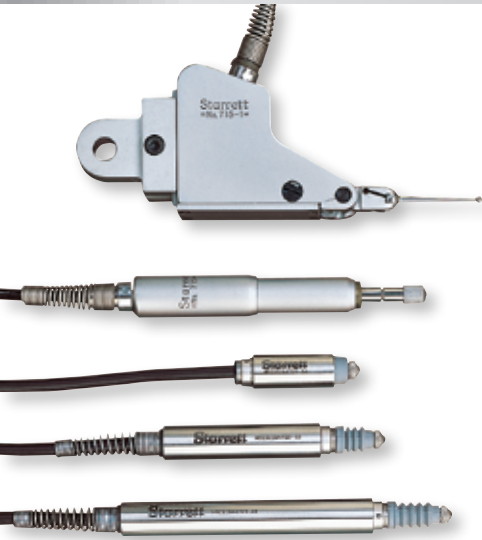
- Optional foot switch available

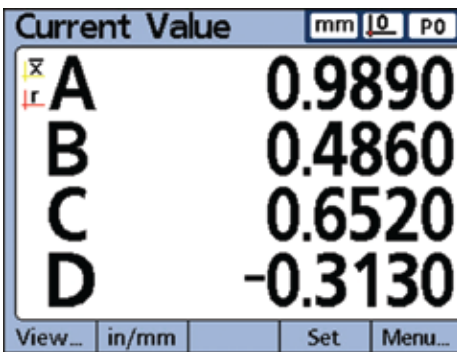| Specifications 776 Gage-Chek Multi-Axis Measured Value Display	
LCD	6" color
Display Digit Size	.45"
Resolution Down To	.000004"/.0001mm
Operating Temperature	32º - 115º F
Enclosure (W x H x D)	11.5" x 7.5" x 2.75"
Base Width (W x H x D)	10" x 2" x 7.5"
Enclosure Weight	3.5 lbs
Base Weight	7 lbs
Input Voltage Range	85 VAC - 264 VAC
Input Frequency	43 Hz - 63 Hz
Inputs	1-, 4- and 8-axis input available
External Connections	Foot Switch, Remote Keypad, Touch Probe, RS232C Serial Port, Parallel Port
Outputs	2 Relay Outputs

The 776 accepts multiple gage inputs simultaneously – invaluable for applications such as this Starrett special gage fixture
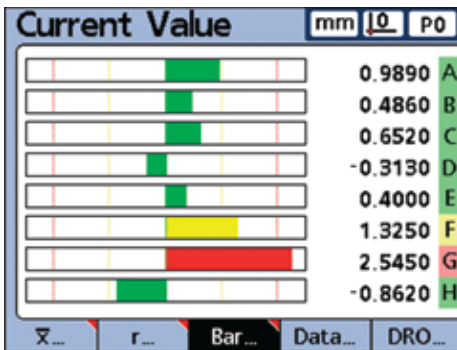
776 LVDT Probes

Heidenhain Specto Length Probes

DRO View: Gage-Chek 776 features large, easy-to-read numerical display with custom dimension labels. Out of tolerance conditions are quickly identified by a change to red. Icons indicate that a process study has been performed, complete with in/out of tolerance alert. Mode switches include inch/metric, absolute/incremental, decimal degree/degrees, minutes, seconds.
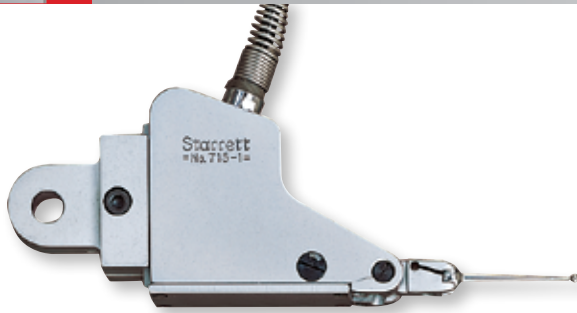

Column Gage View: Color-enhanced vertical or horizontal bar graph. User selectable high and low tolerance and warning limits with audio alert provide instant feedback.

776 Gage-Chek Multi-Axis Measured Value Display		
Description	Cat. No.	EDP
Gage-Chek – 140-SP with 4 Inputs, Specto	776A	68635
Gage-Chek – 180-SP with 8 Inputs, Specto	776B	68636
Gage-Chek – 110-ST with 1 Input, LVDT	776C	68761
Gage-Chek – 140-ST with 4 Inputs, LVDT	776D	68762
Gage-Chek – 180-ST with 8 Inputs, LVDT	776E	68763
Software Wedge RS232 for Windows	719	66490
SPC Plus II Software	739	64955
Cable RS232, 9 to 9 Pin Serial Cable	PT60642	72499
Cable RS232, 9 to 25 Pin Serial Cable	PT60643	63843
Two-Function Foot Switch with 89 Cable	PT99530	68637
Eight-Function Remote Keypad with 159 Cable	PT62514	68638
Gage-Chek Instruction Manual	PT62515	68639
.472" (12mm) Length Probe	776-12	68640
.472" (12mm) Length Probe Radial Exit	776-12R	68796
1.180" (30mm) Length Probe	776-30	68641
1.180" (30mm) Length Probe Radial Exit	776-30R	68797
9.849 (3 meter) Extension Cable for Specto Probe	PT05713	68172
32.89 (10 meter) Extension Cable for Specto Probe	PT05727	68773
±.010" (0.25mm) Lever Type Probe	776-1Z	68817
±.020" (0.50mm) Traditional Probe	776-2	68818
±.020" (0.50mm) Short Probe	776-7	68819
±.040" (0.100mm) Probe	776-8	68820
±.100" (2.54mm) Probe	776-9	68821
69 (1.82 meter) Extension Cable for LVDT	PT05414	68828
159 (4.5 meter) Extension Cable for LVDT	PT05415	68829

715-1Z

715-2Z

715-6

715-7

715-8

715-9

715 Electronic Gage Amplifier Gage Heads

715-1Z Lever-Type Head

- Mounts directly in place of dial indicators with dovetail or AGD lug-type backs
- .078" (2mm) diameter contact – .031" (0.8mm) and .062" (1.6mm) diameter carbide contacts are available

715-2Z* Cartridge-Type Heads

- Hardened steel contact with radius tip. Head will accept all standard AGD contact points.
- .375" (9.5mm) mounting diameter allows replacement of standard AGD dial indicators

715-6, 715-7, 715-8, and 715-9 Cartridge-Type Heads

- Tungsten carbide ball contacts
- Head will accept any AGD style contact**
- Half-bridge construction, stainless steel body
- .375" (9.5mm) mounting diameter allows replacement of standard AGD dial indicators

715 Electronic Gage Amplifier Gage Heads				
Spindle Range	Length	Contact Pressure	Cat. No.	EDP
±.010" (0.25mm) measuring range		8-12 grams	715-1Z	64479
±.020" (0.50mm)	2-1/2" (64mm)	25-35 grams	715-2Z*	64480
±.040" (1.02mm)	2-3/4" (70mm)	70 grams	715-6	64186
±.020" (0.51mm)	1-3/8" (35mm)		715-7	64187
±.040" (1.02mm)	2 -/2" (64mm)		715-8	64188
±.080" (2.03mm)	3-5/8" (92mm)		715-9	64189

715-1Z, -2Z, -6, -7, -8, -9 Gaging Heads come with a 6' (1.8m) cable and male connector.
* Longer range cartridge-type gaging heads are available, quoted on application.
** 715-9 head will accept all standard AGD contacts.