



# NEW!

Newall's NEW C80 DRO System offers exceptional value with leading edge technology and productivity enhancing features for the same price as a basic DRO.

## Features Include:

- Downloadable software upgrades
- Feed rate display
- Bolt hole circle routine
- Programmable memory
- Zero approach warning
- Arc contouring
- Line hole routine
- Polar coordinate readings
- Taper calculations
- Tool offset library
- Segmented error compensation



Digital Readout Systems • Linear Encoders

1778 Dividend Drive • Columbus, OH 43228  
614.771.0213 tel • 800.229.4376 • 614.771.0219 fax  
www.newallusa.com • sales@newallusa.com



# Analysis & Specifications

## COMPETITIVE FEATURES ANALYSIS

	Newall C80	Acu-Rite Micro-Line M/T	Sony Millman LH51/52
Absolute/Incremental	Yes	Yes	Yes
Inch/Metric	Yes	Yes	Yes
Zero Reset	Yes	Yes	Yes
Data Preset	Yes	Yes	Yes
Center Find	Yes	Yes	Yes
Home Reference	Yes	No	Yes
Bolt Hole Circle Routine	Yes	Yes	Yes
Arc Contouring	Yes	No	No
Zero Approach Warning	Yes	No	No
Linear Error Compensation	Yes	Yes	Yes
Segmented Error Compensation	Yes (99)	No	No
Memory Back-up	Yes	No	Yes
Programmable Memory	Yes	No	No
Polar Coordinates	Yes	No	No
Line Hole Calculator	Yes	No	No
Tool Offsets	Yes (99)	Yes (2)	Yes (9)
Taper Calculation	Yes	No	No
Axis Vectoring/Summing	Yes	No	No
Feed Rate Display	Yes	No	No
Recall Function	Yes	No	No
Downloadable Software Upgrades (via Internet)	Yes	No	No
Warranty	5 years	3 years	3 years
3-Year No-Fault Warranty	Yes	Yes	No
Membrane Keypad	Yes	Yes	Yes
Construction	Die Cast	Die Cast	Plastic
Audible Keystroke Entry	Yes	No	No
Encoder Type	Spherosyn/Microsyn	Glass	Magnetic
Cable Type	SS Armor	Braided	SS Armor
Locking Connector	Yes	No	Yes

Specifications subject to change without notice. Competitive features are based on their respective published data.

## ADDITIONAL C80 SPECIFICATIONS

Selectable Resolutions	
Spherosyn®	0.0002", 0.0005", 0.001", 0.005" (0.005mm, 0.010mm, 0.020mm, 0.050mm)
Microsyn® 10	0.0002", 0.0005", 0.001", 0.005" (0.005mm, 0.010mm, 0.020mm, 0.050mm)
Microsyn® 5	0.00005", 0.0001", 0.0002", 0.0005" (0.001mm, 0.002mm, 0.005mm, 0.010mm)
Dimension	10.4" x 7" x 2" (265mm x 180mm x 50mm)
Weight	6.3 lbs. (2.9Kg)
Operating Voltage	47 - 63Hz (100 - 240V) - external switch-mode supply
Operating Temperature	32° - 113°F (0° - 45°C)
Storage Temperature	-4° - 140°F (-20° - 60°C)
CE Marked	Yes

## A NEW CONCEPT...

Available in both 2- and 3-axis configurations, the C80 display comes standard with all of the features commonly found on other DRO's, as well as many features unique only to the C80. In fact, the most truly unique aspect of the C80 is that the operator can customize it. As the machine function changes, so too can the C80. Its flexibility allows it to be used as a Milling specific display one day and then be used as a Lathe specific display the next day. At any time, the operator simply activates the features that apply to the current job.

Another innovative feature of the C80 is its upgradability. The unit can be connected to a personal computer for the purpose of upgrading the firmware or adding new features. This means that the C80 can continue to be a productivity enhancer well into the future without having to invest in a completely new system. The firmware and any new features will be made available for download on Newall's Internet site, [www.newallusa.com](http://www.newallusa.com).

The C80 is designed to be used in conjunction with Newall's Spherosyn® and Microsyn® Linear Encoders. With an environmental protection rating of IP67 and industry standard accuracies of ±0.0004" and ±0.0002", Newall's Linear Encoders are well known to provide the best solution for any machine application.

Value added design has allowed Newall to add productivity enhancing features without adding cost. In its price range, the C80 offers the most functional, most versatile display in the market today!