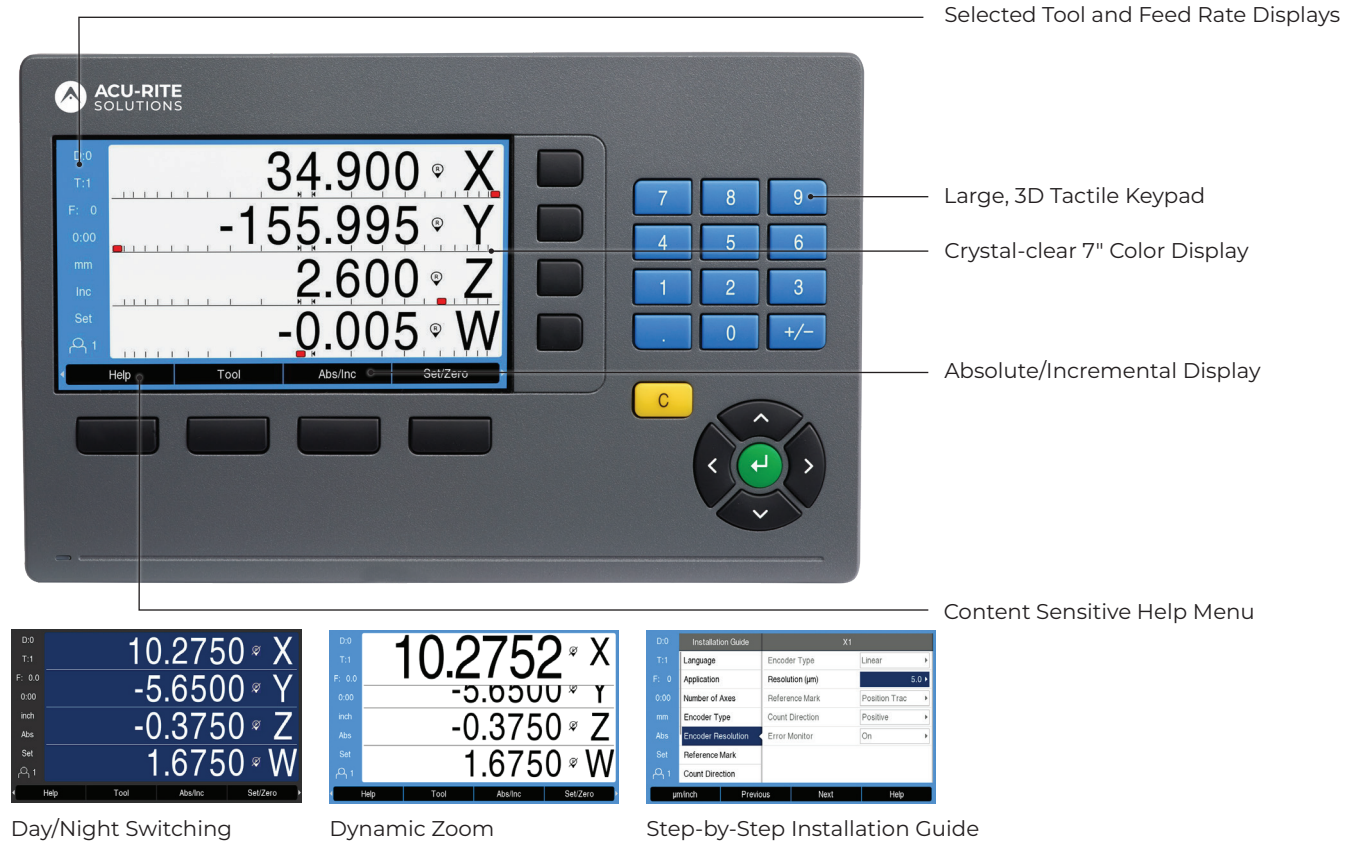


# DRO300

3 or 4-Axis Digital Readout



## A Comprehensive DRO for Greater Machine Tool Profitability

The DRO300 is the most complete digital readout on the market, maximizing the accuracy and efficiency of manual machine tools with 3 or 4 axes. Choose the IB2X option to allow up to 6 axes for large machine tool applications.

## Advanced Accuracy for Quality Machining

The DRO300 continuously displays the true location of all axes through pre-programmed common cycles, milling and turning-specific functions, and up to 99 tool offsets/diameters.

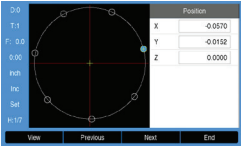
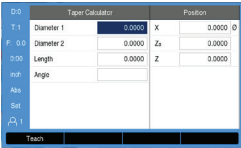
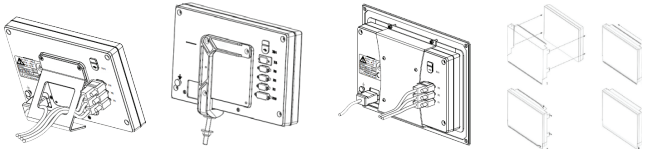
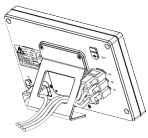
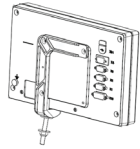
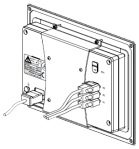
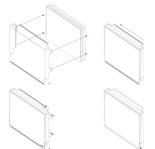
## Cost and Time Savings through Intuitive Design

Developed for machinists of all experience levels, the DRO300 improves machining efficiency because it is easy to install and operate.

## Reliable Construction for Versatile Applications

The DRO300 is designed and built in the USA for superior reliability. Use it with machine tools new and old, for applications from simple to complex, and in even the harshest environments.

# DRO300 Technical Data

<b>Display</b>	3 Axes (DRO303) or 4 Axes (DRO304) 7-inch Color Widescreen (15:9)	
<b>Common Functions</b>	Multiple Display Views (DRO1, DRO2 & DRO3) Program Storage Advanced Skew Compensation Job Clock/Stop Watch Feed Rate Display Multiple Language Support Absolute/Incremental Near-Zero Warning with Graphics	Help Function 99 Tool Offsets/Diameter Preset and Zero Reset 4-Function Calculator/Trig Calculator Instant Inch/mm Conversion Position-Trac™ Home Reference System Linear/Non-linear Compensation up to ±9,999 ppm
<b>Milling Functions</b>	Bolt-hole Pattern Calculations with Graphics (full and partial circles/linear patterns) Centerline Calculation (establish workpiece zero and midpoints) Edge Finder/Touch Probe Input	
<b>Turning Functions</b>	Lock Axis Feature (establish tool offsets with the tool under load, resulting in reduced tool deflection) Instant Radius/Diameter Conversion Taper Calculator and Vectoring Includes Thread Assist (simplify cutting metric threads on lathes with English leadscrews)	
<b>Accessories</b>	IOB 610 Allows CSS (Constant Surface Speed), I/O (Input/Output) Multiple Scale Coupling Box Electronic Edge Finder IB2X (allows input of 2 additional axes)	
	 <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"> Single-Position Stand</div> <div style="text-align: center;"> Multiposition Holder</div> <div style="text-align: center;"> Mounting Frame</div> <div style="text-align: center;"> Protective Cover</div> </div>	
<b>Construction</b>	Die-Cast Metal	
<b>Dimensions</b>	285 mm x 180 mm x 50.4 mm	
<b>Weight</b>	~1.9 kg	
<b>Data Interface</b>	USB 2.0 type C: <ul style="list-style-type: none"> <li>• For Output of Parameters to a USB Stick or PC</li> <li>• For Input of Parameters, Remote Control of Keys and Commands</li> </ul>	
<b>Electrical Requirements</b>	AC 100 V to 240 V (±10 %), 50 Hz to 60 Hz (±5 %), ≤ 33 W	
<b>Operating Temperature</b>	0° to 45° C (32° to 113° F)	
<b>Storage Temperature</b>	-20° to 70° C (-4° to 158° F)	
<b>Protection</b>	IP 40, Front Panel IP 54	



Acu-Rite Solutions creates precision CNC control and digital readout systems that accelerate efficiency and capability for manual machine tool operators. Our advanced technologies are backed by the continuous innovation of HEIDENHAIN and are designed, built, and supported in the USA. [acu-ritesolutions.com](http://acu-ritesolutions.com)

Pair an Acu-Rite Solutions CNC control or digital readout with a durable linear encoder. Our precision glass scales provide repeatable, accurate feedback in even the harshest environments.