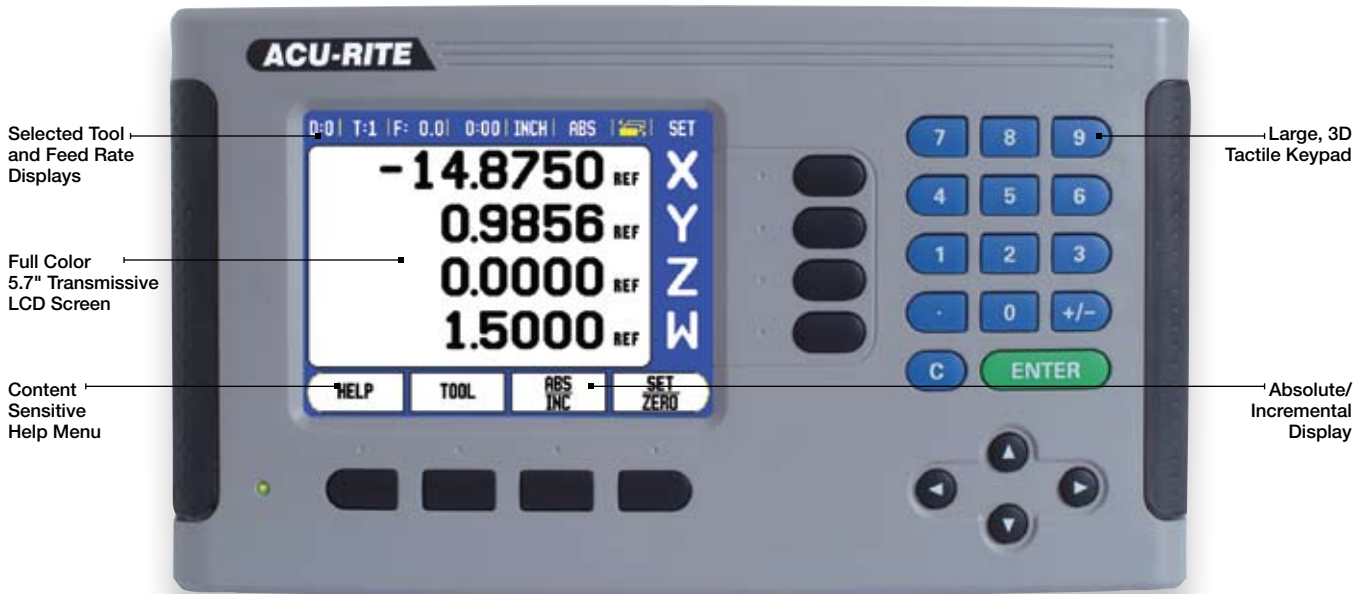


300S

LCD DIGITAL READOUT SYSTEMS



The most complete digital readout system in the machine tool marketplace, the 300S has full part program capability, 99 tool offsets and multiple DRO displays along with standard input/output capability and edgefinder probe support all on an easy to read color LCD display. Designed and manufactured in the USA, ACU-RITE readouts are the first choice of machine tool builders and users alike.



ACU-RITE

Milling Applications

Menu driven input for arc milling, graphic display of tool position thru arc.



Turning Applications

Simplify cutting metric threads on lathes with English leadscrews with thread assist.



Grinding Applications

Multiple display views and resolutions to support close tolerance work.



300S Technical Data

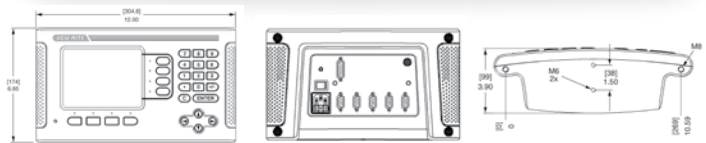
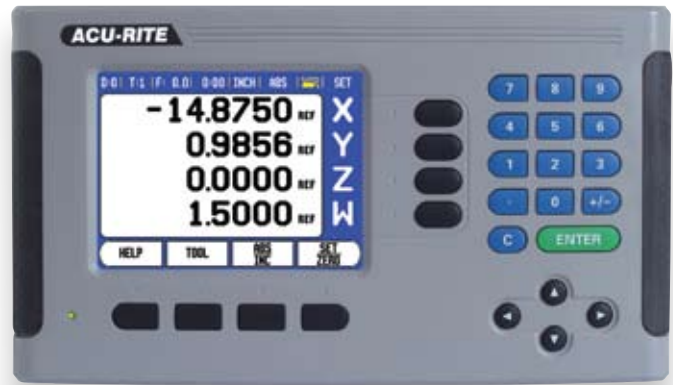
Display

2, 3 or 4 Axes. 5.7" Transmissive Color LCD

Common Functions

- Multiple Display Views - DRO1 & DRO2
- Program Storage
- Advanced Skew Compensation
- Job Clock
- 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 $\pm 9,999$ ppm

ASK ABOUT
OUR TRADE-IN
PROGRAM!



Milling Specific Functions

- Bolthole Pattern Calculations with Graphics (*full and partial circles/linear patterns*)
- Centerline Calculation *establish workpiece zero and midpoints*
- Edge finder/touch probe input
- Mill Line Step, Mill Arc Step

Turning Specific Functions

- Lock Axis Feature *establish tool offsets with the tool under load, resulting in reduced tool deflection.*
- Instant radius / diameter conversion
- Taper calculator, Vectoring
- NEW!** Thread Assist *simplify cutting metric threads on lathes with English leadscrews*

Options

- CSS (Constant surface speed), I/O (Input/Output)
- Multiple Scale Coupling Box
- Electronic Edgefinder
- DRO handle kit, DRO panel mount kit

Construction

Die-cast metal

Weight

4.85 lbs.

Data Interface

RS-232-C/V.24 serial port

Electrical Requirements

Voltage of 100-240 VAC.
Power of 30 VA max.
Frequency of 50/60 Hz (+/-3Hz)

Operating Temperature

0° to 45° C (32° to 113° F)

Storage Temperature

-20° to 70° C (-22° to 158° F)



With more than one million in use today, ACU-RITE Precision Glass Scales withstand the elements of even the harshest machine shop environments. Built to resist changes in size, shape, or density due to temperature and humidity variations, this stability provides exceptional accuracy, resulting in tighter workpiece tolerances.

ACU-RITE scales are available in travel lengths from 1" - 773" and in resolutions from 0.5 μ m (.00002") to 5 μ m (.0002).

ACU-RITE®



Certifications

ISO-9001:2001, UL, CSA, CE