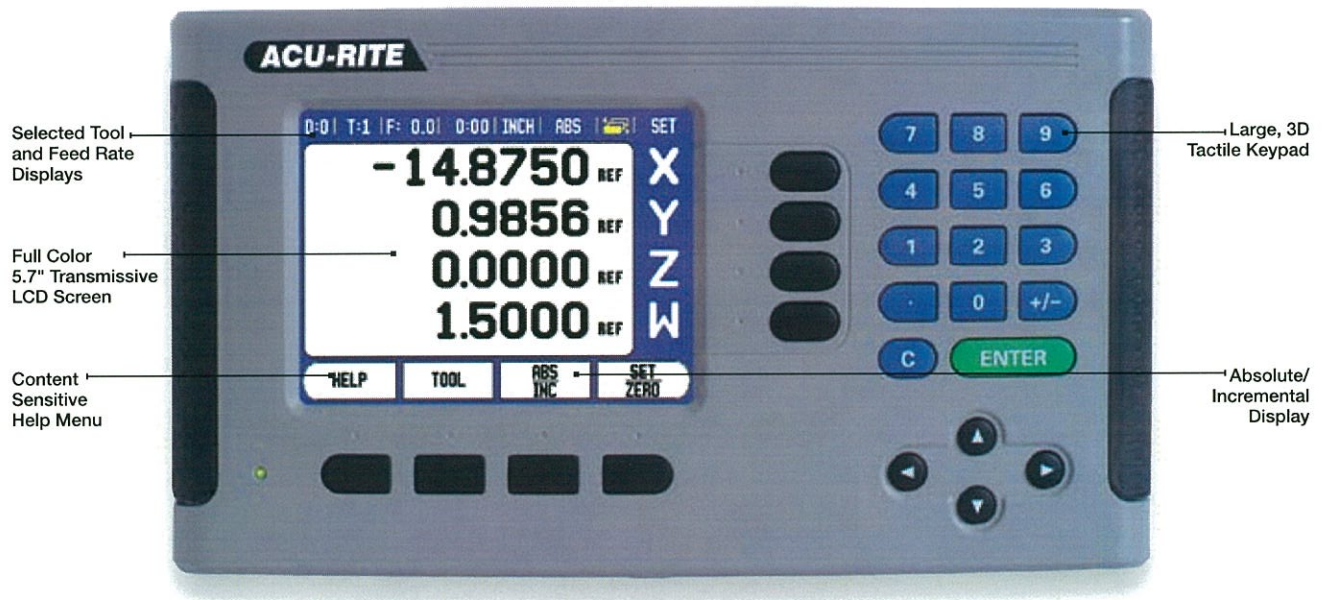
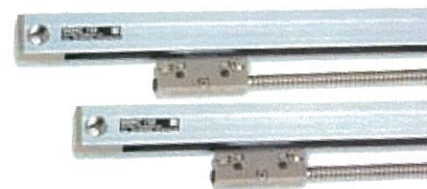


300S

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 edfinder 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

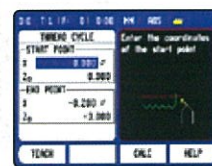
Milling Applications

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



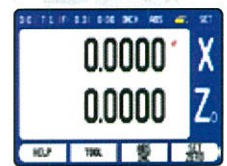
Turning Applications

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



Grinding Applications

Multiple display views and resolutions to support close tolerance work.



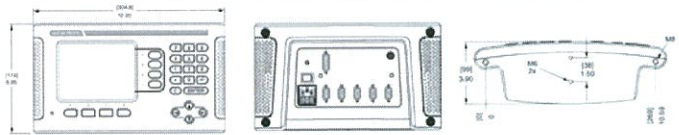
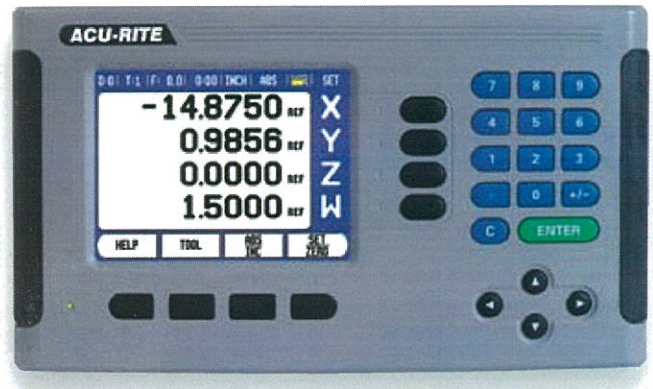
300S Technical Data

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



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

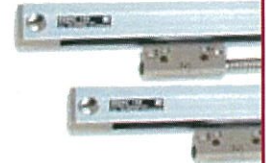
Voltage of 100-240 VAC.
Power of 30 VA max.
Frequency of 50/60 Hz (+/-3Hz)

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