

300S Technical Data

Display 2-, 3- or 4-axes 5.7" transmissive LCD display

- Common Functions**
- Multiple program names with numerous steps
 - Multiple display views - DR01 & DR02
 - Job clock
 - Feed rate display
 - Advanced skew compensation
 - Multiple language supports
 - Absolute/incremental
 - Near-zero warning
 - Help function
 - 16 tool offsets / diameter
 - Preset and zero reset
 - 4 function calculator / Trig calculator
 - Instant inch/mm conversion
 - Position-Trac™



- Milling Specific Functions**
- Bolthole pattern calculations with graphics (full and partial circles/linear patterns)
 - Centerline calculation enables you to establish workpiece zero and midpoints
 - Edge finder/touch probe input

- Turning Specific Functions**
- Lock axis feature - used in conjunction with tool offsetting, lets you establish tool offsets with the tool under load, resulting in reduced tool deflection.
 - Instant radius / diameter conversion
 - Taper calculator

Error Compensation Linear and non-linear compensation up to +/-9,999 ppm

Construction Die-cast metal

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)

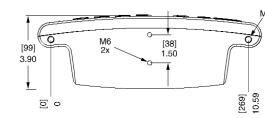
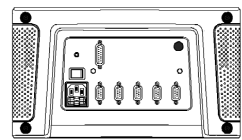
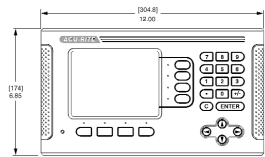
Operating Temperature 0 degrees to 45 degrees C
(32 degrees to 113 degrees F)

Storage Temperature -20 degrees to 70 degrees C
(-22 degrees to 158 degrees F)

Weight 4.85 lbs.

Options CSS-I/O (Constant surface speed), Electronic Edgefinder, Multiple scale coupling box, DRO handle kit, and DRO panel mount kit.

Certifications ISO-9001:2001, UL, CSA, CE



Precision Glass Scales

With more than one million scales in use today, ACU-RITE precision glass scales withstand the elements of contamination found in even the harshest machine shop environments. As a result, our precision glass scales resist changes in size, shape or density due to temperature and humidity variations. This stability provides exceptional accuracy down to $\pm 1.5\mu$ (.00006"), resulting in tighter workpiece tolerances. ACU-RITE scales are available in travel lengths from 1"-773" and in resolutions from 0.5μ (.00002") to 5μ (.0002").

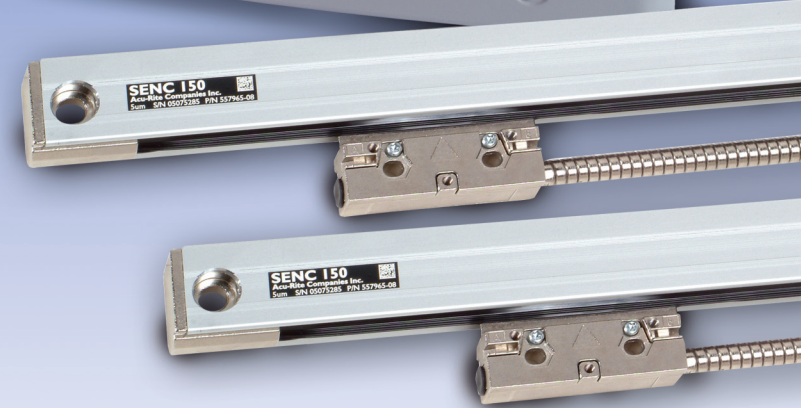
300S LCD Digital Readouts Programmable. 4-axis.

The ACU-RITE 300S features exclusive LCD display screen technology and versatile software to accommodate milling or turning applications – all with the same bright, crystal clear readout. Plus, a content-sensitive help function assists you right on screen.

The ACU-RITE 300S is a fully programmable readout and can store programs like an electronic notepad. With the programming function, you are able to create, edit and execute programs from the program mode.

The ACU-RITE 300S provides the capability to create a library of program names, each independently labeled. Each program can hold multiple steps, resulting in the ability to generate a large number of program files.

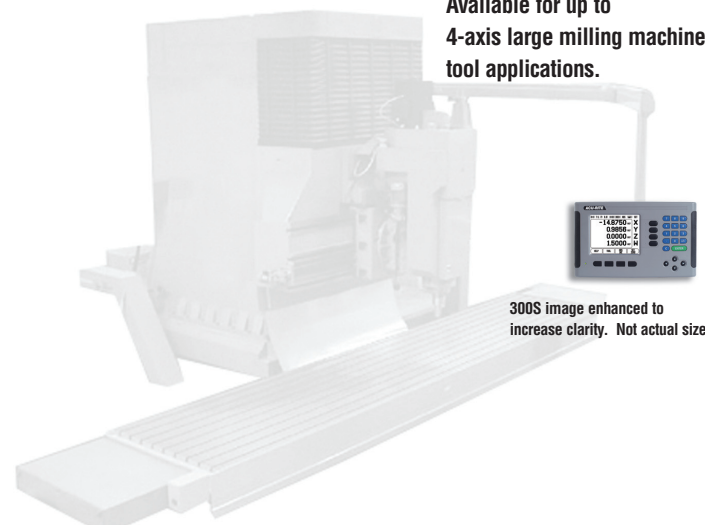
The ACU-RITE 300S contains a variety of programming features such as tool step, datum step, preset step, circle pattern step (mill only), linear pattern step (mill only), and incline and arc milling steps (mill only).



Intuitive, operator-friendly keypad with machine-specific software and easy-to-read flat-screen LCD display.

300S for Milling Applications

Available for up to 4-axis large milling machine tool applications.



300S image enhanced to increase clarity. Not actual size.

300S for Turning Applications

The ultimate in efficiency and productivity for turning applications utilizing state-of-the-art features.



300S image enhanced to increase clarity. Not actual size.

ACU-RITE®

P.N. 9951-0211 Rev. 4/07



ACU-RITE IS AN ISO 9001 CERTIFIED MANUFACTURER



ACU-RITE®

The world's first choice for readout systems.

Visit www.acu-rite.com today for more information.