

THE #1 BRAND OF READOUT SYSTEMS AROUND THE WORLD

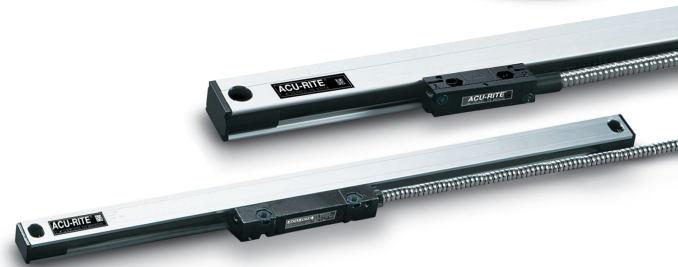
The compact ACU-RITE® DRO 100 readout system provides a basic set of features ideal for grinding and general-purpose applications. Combined with ACU-RITE's precision glass scales, the DRO 100 supplies the accuracy you'd expect from ACU-RITE at an affordable price.



Features

This operator-friendly readout system reduces setup time and increases throughput with an application-specific feature set that includes:

- 1-axis or 2-axes display
- Zero reset
- Instant radius/diameter conversion to reduce math errors and allow you to machine to print dimensions
- Position-Trac™, a unique feature that lets you easily, quickly and accurately reestablish workpiece zero after power loss
- Absolute/Incremental display
- Instant inch/mm conversion
- Linear error compensation



RETURN ON INVESTMENT

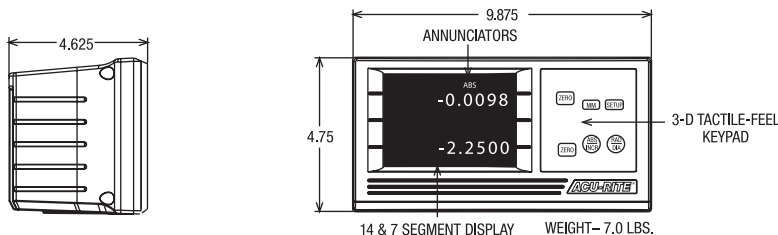
$$\text{Average Payback Time} = \frac{I}{(A \times B \times C)} \quad \frac{\$1625}{(25 \times 8 \times .25)}$$

Where:

- I = dollars invested
- A = machine revenue in \$/hour
- B = hours per day worked
- C = percentage increase in productivity

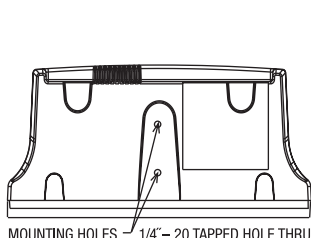
Calculation based upon a 6" x 12" surface grinder with 2µm (.0001") resolution

Average Payback 33 days

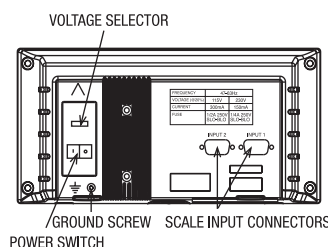


SIDE VIEW

FRONT VIEW



BOTTOM VIEW



BACK VIEW



TECHNICAL SPECIFICATIONS

FLEXIBILITY/REDUCED SETUP

DRO 100

Position-Trac™	✓
Battery Backup	
Recall Function	
Home Reference	✓
Radius/Diameter Conversion	✓
Automatic Scale Resolution Detection	✓
Number of Axes	1 or 2
Number of Display Resolutions	Multiple
Absolute/Incremental Display	✓
Inch/mm Conversion	✓

INCREASED PRODUCTIVITY

DRO 100

Zero Reset	✓
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RELIABILITY

DRO 100

Construction	Die-cast Metal
Weight	7.0 lbs.

EASE OF USE

DRO 100

Key Legends	Words
Keypad Technology	Sealed 3-D Tactile Feel
Display Technology	Vacuum Fluorescent
Conversational Message Prompts	✓

ACCURACY & WORKPIECE QUALITY

DRO 100

Linear Error Compensation	One Segment with Auto Calc.
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MISCELLANEOUS

DRO 100

Switchable Count Direction	✓
Self Diagnostics	✓

*NOTE: Features and specifications are subject to change without notice and/or obligation.
Your ACU-RITE representative is your best source for up-to-date information.*

All **ACU-RITE®** products are designed and manufactured in ACU-RITE's ISO 9001 certified facility. They are designed to UL/CSA/CE specifications and are backed by a comprehensive 3-year warranty.



Made in USA

SERVICE & SUPPORT

ACU-RITE maintains a strong worldwide authorized distribution network of fully trained and qualified personnel to provide quality sales and service support. ACU-RITE's authorized distribution network is readily available to provide prompt delivery, thorough product training and skilled technical service.

ADDITIONAL PRODUCTS

ACU-RITE offers a complete line of readout systems for other applications, including milling, turning and EDMing. In addition, ACU-RITE also manufactures control systems and quick change tooling. Contact ACU-RITE or your local representative for more information.



ACU-RITE'S GLASS SCALE TECHNOLOGY DEFINES PRECISION POSITIONING

- With more than one million scales in use today, ACU-RITE® precision glass scales are proven to withstand a variety of harsh conditions found in machine shop environments.
- ACU-RITE's precision glass scales resist changes in size, shape or density due to temperature and humidity variations. This stability provides exceptional accuracy down to $\pm 1.5\mu\text{m}$ (.00006"), resulting in tighter workpiece tolerances.
- ACU-RITE scales are available in travel lengths from 1" - 773" and in resolutions from $0.5\mu\text{m}$ (.00002") to $10\mu\text{m}$ (.0005").

ACU-RITE IS AN
ISO 9001
CERTIFIED
MANUFACTURER



ACU-RITE®

READOUT SYSTEMS • CONTROL SYSTEMS • PRECISION GLASS SCALES



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