

ADR SERIES 2 or 3 AXIS DIGITAL READOUTS

for Universal Machines

Features ;

- 2 or 3 Axis Measuring
- Inch/Metric Conversion
- ABS/INC Function (Absolute/Incremental Interchange Operation)
- Find Mechanic Zero Position
- Radius / Diameter Readings
- Zero Reset / Data Preset
- 1/2 - find the center on selected axis
- Recall the last coordinate positions.
- Linear Error Compensation
- Segmented Error Compensation
- Pause/Sleep Mode
- Memory Back-up
- Set scale directions
- Scientific calculator function
- Store 99 sets of datum points
- Simple ARC (R) Function for arc or radius machining
- Bolt Hole Circle (Pitch Circle Diameter) - 5 simple steps to get the co-ordinates for all the holes equally spaced out on the pitch circle
- Lathe Function
- Shrink Function
- Electrical Discharge Machining Depth Control



ADR 10-3

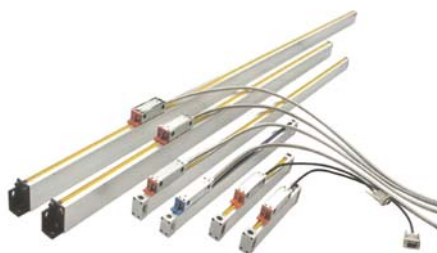


ADR 10-2

The ADR is a powerful yet affordable DRO that sets the new standard for performance, value and ease of use. Simple to use yet feature packed, the ADR utilises the latest in DRO technology. The ADR is everything you could ask for in a DRO and includes a full complement of productivity enhancing features. The innovative design allows the operator to easily configure the unit for either mill or lathe specific features. In addition, the ADR includes a feed rate display that allows for longer tool life and increased cutting tool performance. ADR is truly a remarkable DRO that offers unprecedented value.

APPLICATIONS :

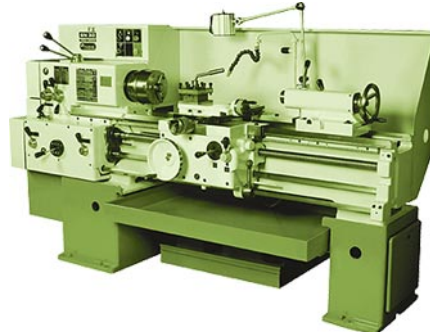
The ADR series has been designed for users requiring either two or three axes. The compact range of ADR Readouts are constructed in a die-cast casing with a clear, easy to read LED digital display. The ADR Readouts controls offers a host of features. The ADR Readouts are mainly used in lathes, milling machines, shrink machines, sheet metal working machines, grinding machines, erosion machines, machining centers etc. with optic or magnetic linear encoder scales (e.g. ATEK ALS Series or ATEK MLS Series).



ATEK ALS Series Optic Scales



ATEK MLS Series Magnetic Scales



TECHNICAL SPECIFICATIONS :

Number of axis	2 or 3 axis
Resolution	0.001 mm, 0.005 mm
Display Function	8 Digit LED Display; green color
Response Speed	60 m (198.6 feet) / min
Power supply	AC 93-250 V , 30 VA, 50-60 Hz
Dimensions	10.25" x 7.0" x 2.0"/3.0" (260 x 180 x 50/75 mm)
Connections	D-sub (9 pin)
Inputs	Encoders with TTL quadrature square wave output as standard
Quantizing error	±1 counts
Operating temperature range	0 to +40 ° C
Storage temperature range	-20 to +70 ° C

ELECTRICAL CONNECTIONS :

Signal Name	Conn. D-sub, (9 pin) Pin no.
A	1
NC	2
+5 V	3
0 V	4
NC	5
B	6
NC	7
Z	8
GND	9

SIGNAL TYPES :

