

DR 600 and DR 700

Digital readouts



Designed specifically for use with Orbit, the DR 600 and 700 have a 24 character alphanumeric display which guides the user through a series of menus from initial setup to gauging applications and arithmetic operations.

Both DRs have functions:

- ▶ Zero
- ▶ Print
- ▶ Motor Drive
- ▶ Program Select
- ▶ Units
- ▶ Preset
- ▶ Maximum/Minimum
- ▶ Limits/Tolerance
- ▶ Multiple Probes
- ▶ Probe Scan
- ▶ Mathematics
- ▶ Resolution
- ▶ Count Direction
- ▶ Reference Mark
- ▶ Display Freeze
- ▶ Lock

The DR 700 also has:

- ▶ Scaling Factor
- ▶ Max A + Max B
- ▶ Gauging Mode
- ▶ Autosense Mode
- ▶ Peak Mode

	DR600	DR700
Display Type	24 character alpha numeric display	
Display length	±999.9999mm or ±39.370078"	
Resolution	Down to 0.05µm or 0.000005"	
Range Lamps	Indicates Hi/OK/Lo for limited detection	
Input		
Number of Orbit modules	up to 10 without external PSIM example up to 30 with external PSIM example	
External input/output		
Single output	✓	✓
Digital I/O	✓	✓
Motor drive	✓	✓
Measurement configurations		
Individual probe	✓	✓
Probe pair	✓	✓
Multiple probes	✓	✓
Scan	✓	✗
Gauging mode	✗	✓
Electrical		
Power supply (VAC)	96 to 244	
Line frequency (Hz)	47 to 440	
Environmental		
Storage temperature range (°C)	-20 to + 60	
Operating temperature range (°C)	0 to +40	
Humidity	0 to 95% non condensing	
Safety rating	EN61010-1	
EMC	Emission: EN50081-1 Immunity: EN50082-2	
IP rating	Front panel: IP65 Unit: IP40	
Mechanical		
Dimensions (mm)	235 x 190 x 90	
Weight (kg)	2.25	