

Digital Readout

Technical Parameter of D80,D50,DL50,D100

Voltage Range:	AC80V-260V/50HZ-60HZ
Power Dissipation:	5W(D50,DL50),15W(D80,D100)
Working Temperature:	-10℃~60℃
Coordinate Display:	D80(Max.5 Axes),D50&DL50(Max.3 Axes), D100(2 or 3 Axes)
Times Frequency:	4X
Input Signal:	5V TTL/RS422
Input Frequency:	≤4MHZ
Operating Keypad:	Membrane Keypad(D100),Mechanical Keypad(D80,D50,DL50)
Resolution:	0.1μm,0.2μm,0.5μm,1μm,2μm,2.5μm, 5μm,10μm,50μm(Only for D80)

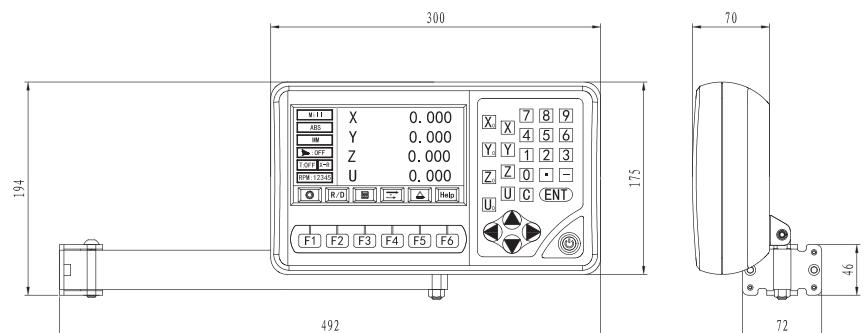
Features(D80):

- 1.7" true color LCD screen,easy to recognizing.
- 2.Saving the drawing function,the DRO allows to save the drawings into the system which makes the machining to be much more convenient.
- 3.Special previewing the drawing function,after setting well the parameters,the DRO will display the machined well effect which makes the operating be more visual.
- 4.Displaying the tool's current position function,during the machining,the system will

display the tool's current position according to the drawing which makes the machining be much easier.

5.Help function,during the machining,if there is any doubt,pressing the help button will help you to solve.

6.Custom settings for the shortcut keys,operator can set the shortcut keys according to his operating habit.





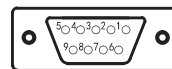
► Features(D100):

1. Displaying as 8 digits with green LED.
2. unique film covering on the Windows makes the displaying much more recognizable.
3. High integration makes the performance be stable.
4. Switching on & switching off can meet more than 100000 times.
5. Adopting the advanced digital filtering makes the counting be more accurate and stable.

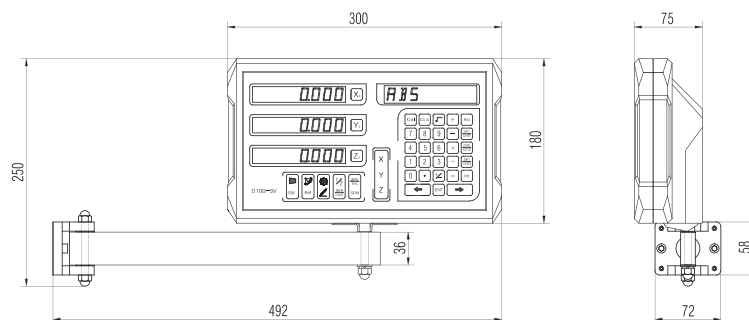
► Features(D50):

1. 3.5" true color LCD screen, easy to recognizing.
2. Optional for RPM function
3. Optional for RS232 protocol
4. Lathe mode with Z+Z1 and Diameter&Radius conversion
5. Smart checking of the inner data and power supply
6. Can connect with both linear scale and rotary encoder

Pin	1	2	3	4	5	6	7	8	9
Signal	Empty	OV	Empty	Shield	Empty	A	+5V	B	Z
Color		Black		Shielding		Yellow	Red	Green	Brown



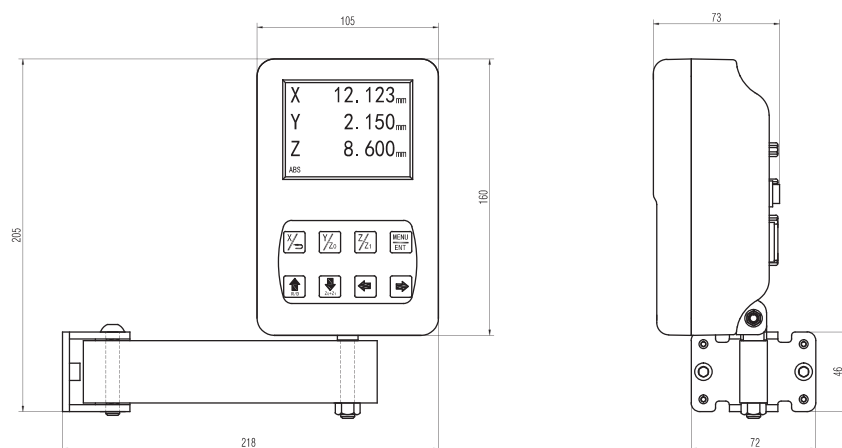
D100



DL50



D50



Digital Readout Function List

	DL50		D50		D100						D80
Model	DL50 1A 2A	DL50 3A	D50 2A	D50 3A	D100-2A			D100-3A			D80 1-5V
Function					D100-2L	D100-2M	D100-2G	D100-3L	D100-3M	D100-3E	
Zeroing,Data Recovery											
Input Coordinate											
Metric/British Units											
Power Off Memory Function	•	•	•	•	•	•	•	•	•	•	•
Encoder Selection											
Resolution Setting											
Linear Compensation											
Counting Direction Setting											
ABS/INC Coordinate			•	•							
200 sets SDM Coordinate			•	•							
REF			•	•							
Calculator					•	•	•	•	•	•	•
Non-linear Compensation											
1/2 Function	•	•	•	•							
Sleeping Function											
PLD Function					•			•		•	•
Tool Offsets											•
PCD Function					•			•		•	•
Simple R Function					•			•			•
Smooth R Function					•			•			•
Rectangle Chambering Function					•			•			•
Taper Measuring						•			•		•
Radius/Diameter Conversion	•	•	•	•		•			•		•
Y+Z Function		•		•					•		•
Digital Filtering Function							•				•
Preview Drawing											•
Tool Location Displaying											•
Axes Summing(Same Direction)				•							•
EDM										•	○
Rotational Speed Measurement			○	○							○
RS232	○	○	○	○	○	○	○	○	○	○	○
Linear Measuring Basing Rotary Encoder			•	•							•

Remarks: •Standard Function ○Optional Function