



WB series of Digital readout(DRO) can use with optical linear scales and magnetic linear scales. Addition of 2-scale data, linearity error, compensation, smoothing, RS232C interface unit, BCD code out, zero setting, preset, resolution setting, counting direction setting, inch/mm conversion, ABC/INC conversion, expansion/contraction setting, calculation, detecting RI, bolt-hole circle machining, ramp circle machining.

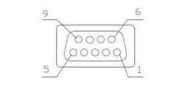
- ◆ Zero clearing.
- ◆ Numerical analysis.
- ◆ Pre-sets value.
- ◆ Filters numerical value
- ◆ Absolute coordinate / relative coordinate / aided zero clearing.
- ◆ Metric units / Imperial units transfer.
- ◆ Diameter / semi-diameter can be selected.
- ◆ Shrinkage rate.
- ◆ Finds mechanical original point (RI).
- ◆ Calculator.
- ◆ Circular point hole.
- ◆ Oblique line hole.
- ◆ Arc processing.

Technical Specifications

Input voltage	AC 90V~240V
Power consumption	Max 15W
Input signal	Orthogonality TTL square wave; frequency <math>< 2\text{MHz}</math>; electric current <math>< 1\text{mA}</math>
Axis	2 or 3
Resolution	0.05 μm , 0.1 μm , 0.2 μm , 0.5 μm , 1 μm 2 μm , 5 μm , 10 μm , 20 μm , 50 μm
Weight	1.5kg
Dimension	296 x 184 x 45 (mm)

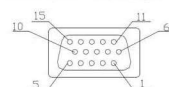
Connection

9PD - TTL socket(standard)



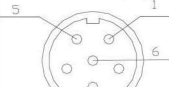
PIN	SIGNAL	Color of signal line	Attribute	Current
1	+5V	Red	Input	35mA
2	0V	Black	Input	35mA
3	A	Brown	Output	4mA
4	B	Yellow	Output	4mA
5	RI	Orange	Output	4mA
9	FG	Weaving net		

15PD-TTL socket(opt)



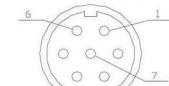
PIN	SIGNAL	Color of signal line	Attribute	Current
1	+5V	Red	Input	35mA
2	0V	Black	Input	35mA
3	A	Brown	Output	4mA
4	B	Yellow	Output	4mA
5	RI	Orange	Output	4mA
9	FG	Weaving net		

6-wire TTL socket(opt)



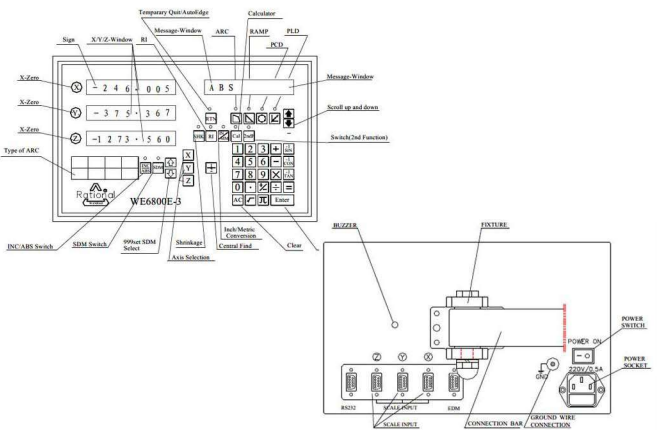
IN	SIGNAL	Color of signal line	Attribute	Current
1	0V	Black	Input	35mA
2	A	Brown	Output	4mA
3	B	Yellow	Output	4mA
4	RI	Orange	Output	4mA
5	+5V	Red	Input	35mA
6	FG	Weaving net		

7-wire TTL socket(opt)



PIN	SIGNAL	Color of signal line	Attribute	Current
1	0V	Black	Input	35mA
2	NC			
3	A	Brown	Output	4mA
4	B	Yellow	Output	4mA
5	+5V	Red	Input	35mA
6	RI	Orange	Output	4mA
7	FG	Weaving net		

Panel Illustrations



Model Code



WB6800-2



WB6800-3

Signal Output Type

6 : A, /A, B, /B, Z, /Z

Resolution:

0.05 μm , 0.1 μm , 0.2 μm , 0.5 μm , 1 μm
2 μm , 5 μm , 10 μm , 20 μm , 50 μm