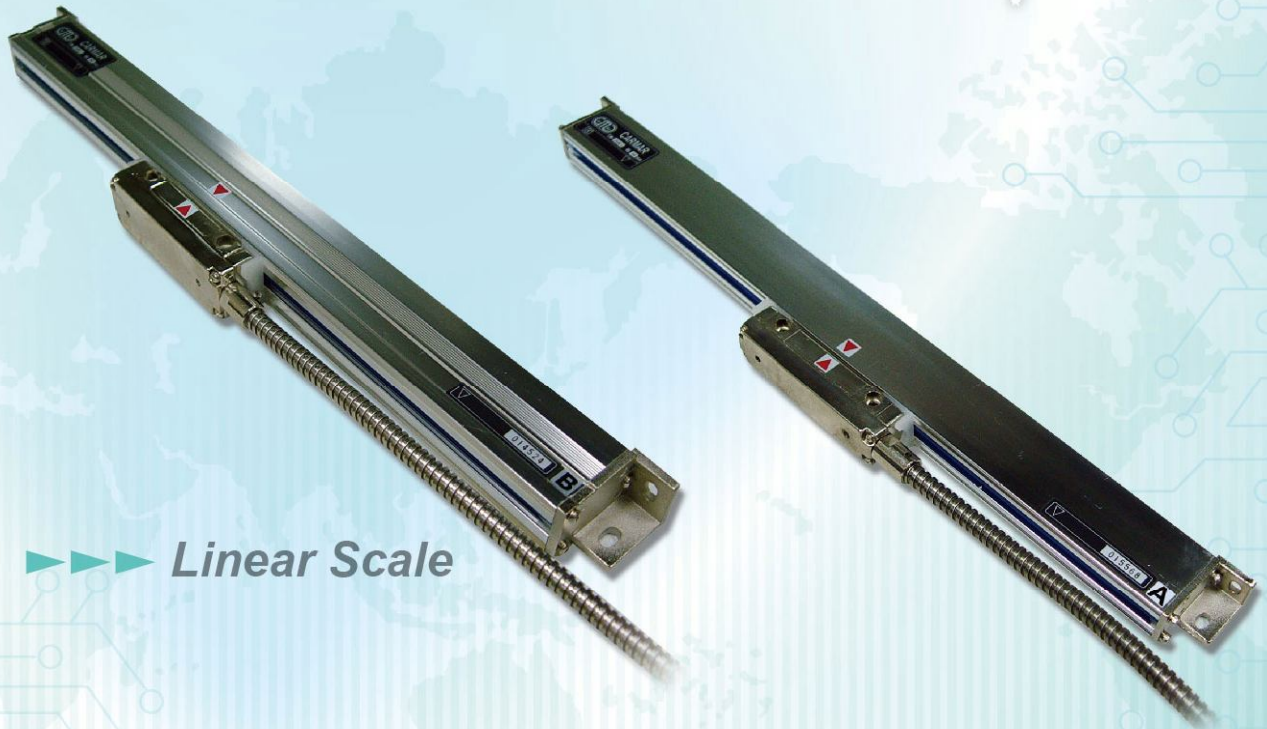




CARMAR ACCURACY CO., LTD.



Made in Taiwan



Linear Scale



Digital Readout



We are Manufacturer of Linear Scale, Digital Readout, Profile Projector, Video Measuring Machine CMM and more

CARMAR ACCURACY CO., LTD (As you can see it, we can measure it!!!)

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Digital Readout

■ DRO Function guide:



| Function | SW-3000 | SW-4000 | 3M | 1M |
|---|---------|-----------|-----|-----|
| Zero setting | ● | ● | ● | ● |
| 1/2 calculation | ● | ● | ● | ● |
| mm/inch conversion | ● | ● | ● | ● |
| INC/ABS conversion | ● | ● | ● | ● |
| DIR: Direction setting. | ● | ● | ● | ● |
| Error compensation | ● | ● | ● | ● |
| Instant power failure memory. | ● | ● | ● | ● |
| Self-diagnostic function for calculation error. | ● | ● | ● | |
| Graphic elements construction | | | ● | |
| Record measuring step | | | ● | |
| Rotary encoder settable resolution | ● | ● | ● | |
| RS232 output | ● | ●(Option) | ● | |
| Edge detecting | | | ● | |
| Foot switch | | | ● | |
| Display | LED | LED | LED | LED |

■ **Standard Type Digital Readout** **SW-3000-2** Two-axis digital readout
 SW-3000-3 Three-axis digital readout

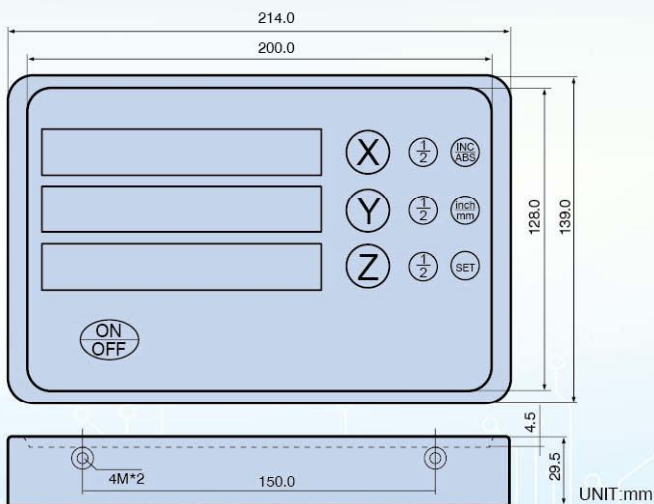


Hardware Specifications

1. Input voltage : DC 8V-24V , 0.08A
2. Settable resolution (mm) : 0.0001 , 0.0002 , 0.0005 , 0.001 , 0.002 , 0.005 , 0.01 , 0.02 , 0.05 , 0.1
3. Rotary encoder settable resolution (degrees) : 1 ~ 0.0001
4. Aluminum alloy body, excellent capability in EMS (2000V).

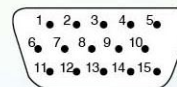
Software Functions

1. Zero setting.
2. 1/2 calculation, locate work piece center
3. mm/inch conversion.
4. INC/ABS conversion.
5. Diameter/Radius selection.
6. DIR:Setting the coordinate direction.
7. Linear error compensation.
8. Instant power failure memory.
9. Self-diagnostic function for calculation error.
10. RS232 output.



STANDARD 15 PIN D-TYPE ASSIGNMENTS (F)

NC:NO CONNECTION
FG:Frame Ground



| | | | | | | | |
|-----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| +5V | 0V | A | B | RI | FG | NG | NC |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | |
| NC | NC | NC | NC | NC | NC | NC | |

UNIT:mm

■ Single Axis Type Digital Readout 1M series



Hardware Specifications

1. Input voltage : DC 7.5- 9V
2. Power consumption : < 5W
3. Dimension : 104mm x 77mm x 35mm
4. Weight : 253 g
5. Linear scale signals : Orthogonal TTL square wave
6. Resolution (mm) : 0.5 μ m, 1 μ m, 5 μ m, 10 μ m, 50 μ m, 100 μ m, 500 μ m

Software Functions

1. Zero setting.
2. Halving values to locate workpiece center.
3. mm/ inch conversion.
4. INC/ABS conversion.
5. Linear error correction and segmental linear error correction

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