

## Product Brochure For D7583

### 300mm Mini Digital Readout Scale - DC-10F300

Compact Scale  
 5µm Resolution



|                                   |               |
|-----------------------------------|---------------|
| ORDER CODE:                       | D7583         |
| MODEL:                            | ~             |
| Type:                             | Compact Scale |
| Travel - Maximum (mm):            | 300           |
| Overall Length (L) (mm):          | 438           |
| Scale Resolution (µm):            | 5             |
| Grating Pitch:                    | ~             |
| Accuracy (µm):                    | ~             |
| Output Signal:                    | ~             |
| Connector:                        | ~             |
| Cable Length (Metre):             | 3             |
| Working Temperature (°C):         | ~             |
| Sealing Protection Class:         | ~             |
| Maximum Speed (M/min):            | ~             |
| Reference Point:                  | ~             |
| Width x Height (W x H) (mm):      | 18 x 23.2     |
| Backing Support Plate (Yes / No): | Yes           |

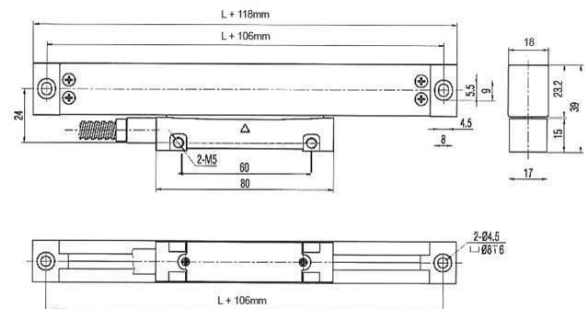


#### Description

Compatible with Easson digital readout displays

#### Features

- **DOUBLE SEAL DESIGNED SCALES:**
- The plastic seals of the transducer use an innovative material to offer superior oil resistance, high elastic recovery properties and durability, carefully designed lip geometry offer low slide resistance.
- **100% LASER CALIBRATION:**
- All glass grating transducers are individually inspected and calibrated by our in-house laser calibrator to ensure accuracy complies 100% with the specifications.
- **ADVANCED OPTICAL MEASURING SYSTEM:**
- The slide carrier of the DC-10F series scales, use a five bearing design for optical grating linear transducer which has been proven as the most reliable system design in today's market.
- The glass grating slide-ways are lapped, and JIS standard P5 grade bearings are used to achieve smooth and accurate movement and long working life.
- **D.I.Y. INSTALLATION:**
- An easy-to-follow D.I.Y. Installation Manual is supplied with each system, complete with illustrations and mounting brackets.



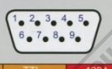
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### Specific Features



DSUB9 Male Plug

**Dsub 9**  
9 pin male connector plug



| Pin | TTL Signal | Cable  | 422A Signal | Color  |
|-----|------------|--------|-------------|--------|
| 1   | —          | —      | A           | Yellow |
| 2   | 0V         | Orange | 0V          | White  |
| 3   | —          | —      | B           | Red    |
| 4   | Grnd       | Ground | Grnd        | Ground |
| 5   | —          | —      | R           | Black  |
| 6   | A          | Yellow | A           | Green  |
| 7   | 5V         | Red    | 5V          | Brown  |
| 8   | B          | Green  | B           | Blue   |
| 9   | R          | Brown  | R           | Gray   |

Dsub9 Wiring Diagram

### Recommended Accessories

#### D709

Easson Scales - Extension Cable



#### D710

Easson Scales - Extension Cable



#### D772

Digital Readout Scale Mounting Bracket Kit



#### D711

Adaptor Cable



#### D712

Adaptor Cable

