

# Digital Height Master

**SERIES 515**

## FEATURES

- Standard model with a digital display, featuring all essential specifications required for versatile height standard.
- With SPC output.
- Each height master is supplied with a gage block for zero setting.



**SPC**

## Technical Data

Resolution (LCD): .0001" or 0.001mm  
 Graduation: .0001" or 0.002mm  
 Character Height .21" / 5.4mm

Micrometer Head  
 Travel Stroke: 1" or 20mm  
 Pitch: .025"/rev or 0.5mm/rev  
 Hysteresis: .0001" for all inch models  
 0.002mm for 300mm models  
 0.0025mm for 450 & 600mm models  
 Battery: SR44 (2 pcs.), **938882**  
 Battery life: Approx. 1.8 years under normal use

## Function

Zero-setting, Presetting, ABS/INC switching, Data hold, Data output, inch/mm conversion (on inch/metric models only)  
 Alarm: Low voltage, Counting value composition error

## Standard Accessories

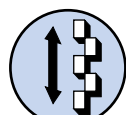
Reference Block: 11mm for Metric Height Master **611621-031**  
 Reference Block: .6" for for Inch Height Master **611196-531**  
 Provided with inspection certificate.

## Optional Accessories

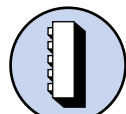
**515-111:** Auxiliary block kit for bore gage (mm)  
**515-120:** Auxiliary block kit for bore gage (inch)  
 ———: Riser block (see page E-27.)  
**959149:** SPC cable (40" / 1m)  
**959150:** SPC cable (80" / 2m)  
**050019:** Fitted mahogany case for 12" / 300mm model  
**050059:** Fitted mahogany case for 18" / 450mm model  
 24" / 600mm model



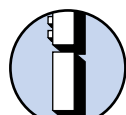
**515-374**



Staggered 20mm blocks (movable)



Vertical orientation



Riser block



## SPECIFICATIONS

### Metric

| Range (H)      | Order No.      | Block step       | Resolution | Block Pitch Accuracy | Parallelism | Micrometer Head Accuracy | Mass (kg) |
|----------------|----------------|------------------|------------|----------------------|-------------|--------------------------|-----------|
| 10 < H ≤ 310mm | <b>515-374</b> | 20mm (staggered) | 0.001mm    | ±1.5μm               | 2μm         | ±2μm                     | 9.5       |
| 10 < H ≤ 460mm | <b>515-376</b> | 20mm (staggered) | 0.001mm    | ±2.5μm               | 2.5μm       | ±2μm                     | 13.6      |
| 10 < H ≤ 610mm | <b>515-378</b> | 20mm (staggered) | 0.001mm    | ±3.5μm               | 2.5μm       | ±2.5μm                   | 16.0      |

### Inch/Metric

| Range (H)     | Order No.      | Block step     | Resolution       | Block Pitch Accuracy | Parallelism | Micrometer Head Accuracy | Mass (kg) |
|---------------|----------------|----------------|------------------|----------------------|-------------|--------------------------|-----------|
| .5" < H ≤ 12" | <b>515-375</b> | 1" (staggered) | .0001" / 0.001mm | ±.0001"              | .00005"     | ±.0001"                  | 9.5       |
| .5" < H ≤ 18" | <b>515-377</b> | 1" (staggered) | .0001" / 0.001mm | ±.0001"              | .0001"      | ±.0001"                  | 13.6      |
| .5" < H ≤ 24" | <b>515-379</b> | 1" (staggered) | .0001" / 0.001mm | ±.0001"              | .0001"      | ±.0001"                  | 16.0      |