## Height Gauges

## SERIES 518 - Linear Height Digimatic 2D Measurement System

- Excellent accuracy of $(1.1+0.6 L / 600) \mu \mathrm{m}$ with $0.1 \mu \mathrm{~m} / 0.4 \mu \mathrm{~m}$ resolution/repeatability.
- High-accuracy Height Gauge incorporating a wide range of measurement functions.
- To achieve best-in-class accuracy, a high-accuracy reflective-type linear encoder and an exceptionally straight guide are used.
- Measurement can be implemented by icon-based commands that also support easy one-key operation. Perpendicularity (frontal) of $5 \mu \mathrm{~m}$ and straightness of $4 \mu \mathrm{~m}$ are guaranteed.
- A best-in-class large colour LCD with excellent visibility is used.
- Pneumatic full/semi-floating suspension system allows adjustment of air-cushion height.
- Basic statistical functions are provided and, additionally, RS-232C data output provides the option of evaluating measurement data externally with SPC software on a PC.


## MeasurLink ${ }^{\circ}$ EnABLED <br> Data Management Software by Mitutoyo




Running the pneumatic suspension allows frictionless movement on a surface plate.


The power grip makes it easy to approach the workpiece.

Dimensions


Specifications

| Inch/Metric |  |
| :--- | :---: |
| Code No. | Remarks |
| 518-351E-21 | - |
| 518-352E-21 | Power grip pre-installed |

Optional Accessories

| Code No. | Description |
| :---: | :---: |
| 226116 | Test indicator ( $\varnothing 6 \mathrm{~mm}$ stem) adapter |
| 226117 | M2 CMM stylus adapter*3 |
| 226118 | M3 CMM stylus adapter*3 |
| 532328 | $\varnothing 10$ CMM ball probe |
| 532345 | ¢20 disc probe |
| 930803 | ø30 disc probe |
| 932361 | Mu-checker lever head holder additional auxiliary weights are required (total 4 pcs ). |
| 932377A | ø2 CMM ball probe |
| 932378A | ø3 CMM ball probe |
| 932379A | ¢5 CMM ball probe |
| 932380A | $\varnothing 6$ CMM ball probe |
| 957261 | ø2 mm ball probe (coaxial type) |
| 957262 | ø3 mm ball probe (coaxial type) |
| 957263 | ø4 mm ball probe (coaxial type) |
| 957264 | $\varnothing 14 \mathrm{~mm}$ disc probe |
| 957265 | $\varnothing 20 \mathrm{~mm}$ disc probe |
| 05HAA394 | ø5 mm ball offset probe |
| 12AAA787 | Block for calibrating probe diameter (applicable to taper probe) |
| 12AAA788 | $\varnothing 4 \mathrm{~mm}$ ball offset probe |
| 12AAA789 | $\varnothing 6 \mathrm{~mm}$ ball offset probe |
| 12AAA792 | Dial indicator (ø8 mm stem) holder |
| 12AAA793 | Probe extension holder ( $85 \mathrm{~mm} / 3.3^{\prime \prime}$ ) |
| 12AAA879 | Sample workpiece |
| 12AAB136 | ø10 mm cylindrical probe |
| 12AAB552 | $\varnothing 10 \mathrm{~mm}$ ball probe, $\mathrm{L}=55 \mathrm{~mm}$ (coaxial type) |
| 12AAC072 | Depth probe |
| 12AAC073 | ø20 mm taper probe |
| 12AAF666 | ø1 mm ball probe (coaxial type) |
| 12AAF667 | ø2 mm ruby ball probe (coaxial type) |
| 12AAF668 | ø10 mm ball probe, $\mathrm{L}=82 \mathrm{~mm}$ (coaxial type) |
| 12AAF669 | $\varnothing 10 \mathrm{~mm}$ ball probe, $\mathrm{L}=120 \mathrm{~mm}$ (coaxial type) |
| 12AAF670 | $\varnothing 5 \mathrm{~mm}$ disc probe |
| 12AAF671 | $\varnothing 10 \mathrm{~mm}$ disc probe |
| 12AAF672 | $\varnothing 1 \mathrm{~mm}$ ball offset probe |
| 12AAF675 | Set with cover for large capacity battery |
| 12AAF712 | Battery pack |
| 12AAG245 | Large-capacity battery |
| Various peripheral devices |  |
| 12AAA802-1 | Thermal printer paper |
| 12AAA804 | Cable for page printer (2 m) |
| 12AAA807D | RS-232C cable ( $2 \mathrm{~m} / 80 \mathrm{C}$ ) |
| 12AAG920 | RS-232C cable ( $3 \mathrm{~m} / 118{ }^{\prime \prime}$ ) |
| 12AAH035 | FDD unit (USB) |
| 12AAN050 | Thermal printer |
| 63AAA042 | Digimatic interface DMX-3-2 |

${ }^{3}$ Styli for CMMs can be provided.

Optional Accessories


