

## Technical Data

Display: LCD Analog / Digital  
Power Supply: AAA Battery (2 pcs.)  
Dust/Water protection level: IP67

## Function

Zeraset, Preset, Auto power off, Inch/Metric, Conversion data hold, Max/Min value holding, Data output

## External Tube Thickness Measurement SERIES 209

Versatile OD measuring gages for groove thickness, tube thickness and hard-to-reach dimensions. Digimatic Caliper Gages provide error-free LCD readings, as well as data output for SPC analysis.

External measurement type

209-932



## SPECIFICATIONS

Inch / Metric

| Order No. | Range            | Resolution              | Accuracy         | Measuring Depth (L) | Moveable (Hb) | Fixed (Hf)    | Measuring Contacts    | Measuring Force (N) | Fig. Reference |
|-----------|------------------|-------------------------|------------------|---------------------|---------------|---------------|-----------------------|---------------------|----------------|
| 209-930   | 0-0.39" / 0-10mm | 10 Steps (switchable)*1 | 0.0005" / 0.02mm | 1.37" / 35mm        | .75" / 19.1mm | .73" / 18.6mm | Ball .059"/1.5mm dia. | 1.2-1.6             | A              |
| 209-931   | 0-0.39" / 0-10mm |                         | 0.0005" / 0.02mm | 1.37" / 35mm        | .85" / 21.7mm | .58" / 14.8mm | Desc. .24"/6mm dia.   | 0.8-1.2             | C              |
| 209-932   | 0-0.78" / 0-20mm |                         | 0.0010" / 0.03mm | 3.34" / 85mm        | .97" / 24.7mm | .97" / 24.6mm | Ball .059"/1.5mm dia. | 1.1-1.6             | A              |
| 209-933   | 0-0.78" / 0-20mm |                         | 0.0010" / 0.03mm | 3.34" / 85mm        | .97" / 24.7mm | .10" / 2.5mm  | Ball .059"/1.5mm dia. | 1.1-1.6             | B              |
| 209-951   | 0-1.18" / 0-30mm |                         | 0.0015" / 0.04mm | 4.48" / 114mm       | 1.2" / 30mm   | 1.2" / 30mm   | Ball Ø.12"/3mm        | 0.9-1.6             | A              |
| 209-952   | 0-1.18" / 0-30mm |                         | 0.0015" / 0.04mm | 4.48" / 114mm       | 1.2" / 30mm   | .16" / 4mm    | Ball Ø.12"/3mm        | 0.9-1.6             | B              |
| 209-953   | 0-1.18" / 0-30mm |                         | 0.0020" / 0.05mm | 4.48" / 114mm       | 1.4" / 36mm   | .94" / 24mm   | Disc Ø1.97"/50mm      | 0.9-1.6             | D              |
| 209-954   | 0-1.96" / 0-50mm |                         | 0.0020" / 0.05mm | 6.57" / 167mm       | 1.2" / 30mm   | 1.2" / 30mm   | Ball Ø.12"/3mm        | 0.8-1.7             | A              |
| 209-955   | 0-1.96" / 0-50mm |                         | 0.0020" / 0.05mm | 6.65" / 169mm       | 1.2" / 30mm   | .17" / 4.3mm  | Ball Ø.12"/3mm        | 0.8-1.7             | B              |
| 209-956   | 0-1.96" / 0-50mm |                         | 0.0020" / 0.05mm | 6.57" / 167mm       | 1.4" / 36mm   | .94" / 24mm   | Disc Ø1.97"/50mm      | 0.8-1.7             | D              |

• Power Source: AAA Batteries (2 pcs)

\*1 See Resolution Table

## Optional Output Devices

| Order No.   | Description                               |
|-------------|-------------------------------------------|
| Wired       |                                           |
| KPL1962-09  | Interface Adapter (Required)              |
| 264-020     | USB Input tool (IT-020U)                  |
| - 937387    | Connecting Cable (1m)                     |
| - 965013    | Connecting Cable (2m)                     |
| 06AFM380E   | USB Input Tool Direct (2m)                |
| Wireless    |                                           |
| KPL1962-09  | Interface Adapter (Required)              |
| 264-626     | Transmitter (IP67)                        |
| 264-623     | Transmitter (Buzzer)                      |
| - 02AZD790E | Connecting Unit (Adapter)                 |
| - 02AZE140E | Connecting Cable (foot switch compatible) |
| KPL1961-13  | Interface Adapter (Bluetooth)             |

Note: Model uses connector type "E"

• Resolution Switching\*

| Resolution (in) | Resolution (mm) |
|-----------------|-----------------|
| .0005           | .0001           |
| .0001           | .001            |

