

## Depth Gages 75P-50



75P-52 with Setting Master

### Features

- Modular depth gages for all applications.
- Single and multi-purpose bases with choice of Dial Indicator for comparative or direct measurement.
- Indicator collet mounting allows easy interchangeability of Indicators and bases — use one Indicator with several bases or change Indicators to meet range requirements.
- Family of contact points available to cover wide range of depth measurement applications.
- Setting masters available with anvil ground to specified depth ( $\pm 0.0025$  mm /  $\pm .0001$ " in accuracy).

### Technical Data

• **For Comparative Measurement:** Unless otherwise specified, a comparative measurement Indicator will be furnished. Correct contact point will be furnished for the gaging depth specified.

Metric: Furnished with .01 mm grads. / 2.50 mm range, balance dial.

Inch: Furnished with .0005" grads. / .075" range, balanced dial.

• **For Direct Measurement:** (Special Order) Contact point for 0-25 mm / 0-1" depth will be furnished unless otherwise specified.

Metric: Model SP6IS (0.01 mm grads. / 25 mm range, continuous dial with revolution counter).

Inch: Model 28ISN (.001" grads. / 1" range, continuous dial with revolution counter).

Digital: Model XLI-20000 (.001 mm/.00005" resolution, 25 mm / 1" range)

• For long range models contact Mahr Federal.

**Base Dimensions** (all bases are 15 mm / .59" high x 19 mm / .75" wide)

Order no.	Length	Width	Diameter	Measuring Positions	Base only Model*	
Metric	Inch	mm / inch	mm / inch			
75P-50M	75P-50	50 / 2"	19 / .75"	—	One	BA-42
75P-51M	75P-51	76 / 3"	19 / .75"	—	One	BA-43
75P-52M	75P-52	102 / 4"	19 / .75"	—	Two	BA-44
75P-53M	75P-53	152 / 6"	19 / .75"	—	Three	BA-45
75P-54M	75P-54	203 / 8"	19 / .75"	—	Three	BA-46
75P-55M	75P-55	—	—	19 / .75"	One	BA-47
75P-56 M	75P-56	—	—	32 / 1.25"	One	BA-76

### Ordering Information

When ordering please specify:

1. Model Number.
2. Comparative or Direct Measurement.
3. Depth to be gaged.
4. Master Setting Block, if required.
5. Any special or optional features such as special contact points, Indicator Housing, or alternate Indicators.

\* If base only is specified, it is supplied without the indicator holding collet, model AD-87.

Order collet separately if required.

## Contact Points

To increase the versatility of any **75P-50** Series Depth Gage, additional contacts may be used to extend the capacity of the gage. Specify additional contact points required from the table at right.

To order the entire set of points, order by Model **PT-750** Contact Point Set.

Gaging Depth mm / <i>inch</i>	Contact Point model*	Max $\mu$ m <i>III</i>
0.00 - 1.60 / <b>0</b> - <b>.063"</b>	PT-201	PT-564
1.60 - 4.80 / <b>.063</b> - <b>.188"</b>	PT-232	PT-31
4.80 - 8 / <b>.188</b> - <b>.313"</b>	PT-305	PT-201
8 - 11 / <b>.313</b> - <b>.438"</b>	PT-565	PT-232
11 - 14 / <b>.438</b> - <b>.563"</b>	PT-239	PT-305
14 - 17.50 / <b>.563</b> - <b>.688"</b>	PT-50	PT-565
17.50 - 21 / <b>.688</b> - <b>.813"</b>	PT-235	PT-239
21 - 24 / <b>.813</b> - <b>.938"</b>	PT-241	PT-50
24 - 27 / <b>.938</b> - <b>1.063"</b>	PT-100	PT-235
27 - 30 / <b>1.063</b> - <b>1.188"</b>	PT-51	PT-241
30 - 33.40 / <b>1.188</b> - <b>1.313"</b>	PT-243	PT-100
33.4 - 37 / <b>1.313</b> - <b>1.438"</b>	PT-696	PT-51
37 - 40 / <b>1.438</b> - <b>1.563"</b>	PT-101	PT-243
40 - 43 / <b>1.563</b> - <b>1.688"</b>	PT-245	PT-696
43 - 46 / <b>1.688</b> - <b>1.813"</b>	PT-102	PT-101
46 - 49 / <b>1.813</b> - <b>1.938"</b>	PT-566	PT-245
49 - 52.4 / <b>1.938</b> - <b>2.063"</b>	PT-247	PT-102

\* For "C" size dial indicators, "EDI-" and "XLI-"  $\mu$ Max $\mu$ m Digital Indicators.

## Semi-finished Model

0-25 mm/ <b>0-1"</b>	25-50 mm/ <b>1-2"</b>	Gaging Positions	Used with Model	"A"	"B"	"C"	"D"
<b>MR-501</b>	<b>MR-502</b>	One	75P-50, 75P-30/35	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>	—	—
<b>MR-511</b>	<b>MR-512</b>	One	75P-51	38 mm/ <b>1.5"</b>	38 mm/ <b>1.5"</b>	—	—
<b>MR-521</b>	<b>MR-522</b>	Two	75P-52	50 mm/ <b>2"</b>	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>	—
<b>MR-531</b>	<b>MR-532</b>	Three	75P-53	75 mm/ <b>3"</b>	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>
<b>MR-541</b>	<b>MR-542</b>	Three	75P-54	102 mm/ <b>4"</b>	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>	25 mm/ <b>1"</b>
<b>MR-551</b>	<b>MR-552</b>	One	75P-55, 75P-56	17 mm/ <b>.68"</b>	17 mm/ <b>.68"</b>	—	—

Six different setting masters are available for Series 75P Models. Setting masters are available in two styles: Finished (ground to final size) and Semi-finished (assembled but not ground to final size). Finished depths available from 0 - 50 mm / 0 - 2". Unground Anvil can be purchased separately. Specify **Model AL-89**.

For multi-position masters, please specify the anvil location.  
Protective Housings for the Dial Indicator are available, see page 5-23.

For Series 75P-50 style depth gages with alternate Indicators, greater gaging depth, alternate contact configurations or other modifications, contact Mahr Federal Technical Assistance.

For master finished to size, specify size and add suffix "F". Example: MR-502F, size 1.265" (Master for 75P-50 set to 1.265").

