

Interchemical Gages

Wet Film Thickness Gages

The Interchemical Thickness Gage has long been the standard for measuring wet film thickness in the coatings industry. (U.S. Patent No. 3,128,558).

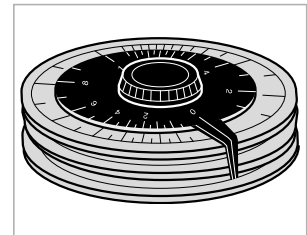
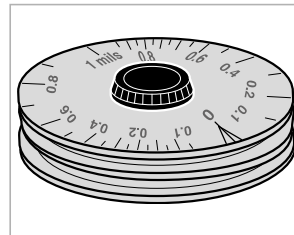
BYK-Gardner offers three basic models in various ranges. All models have an accuracy of +/- 0.0001 in (2.5 µm) or 2.5% full scale, whichever is greater.

The gage consists of an eccentric inner wheel, supported by two larger outer concentric wheels. At a specific point, the inner wheel touches and picks up wet film when the gage is rolled on the coated surface. This critical clearance may be read on a rotating scale.



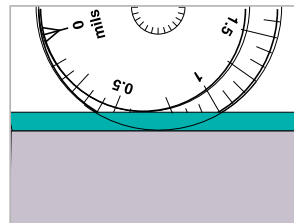
Model S – General Use

- For general use (original Interchemical design)
- Scale is stamped on the outside of the metal wheel; no rotating scale is used



Model R * – Rotating Scale

- For general critical measurements
 - Has a rotating scale to facilitate accurate gage reading
 - No black plate on the opposite side of the wheel is present
- * U.S. Patent No. 3,128,558



Model L * – Low Inertial with Rotating Scale

- For very thin coatings and accurate measurements on moving surfaces
 - Inside is hollowed out; very lightweight – only 0.3 lb
 - Black rotating scale to minimize reading errors
 - For identification purposes, this model has a black plate pressed into the wheel on the opposite side of the scale
- * U.S. Patent No. 3,128,558

| Standards | |
|-----------|--------|
| ASTM | D 1212 |
| ISO | 2808 |

Gage Holder

The gages may be held between the thumb and forefinger to take a reading, or it may be inserted into the gage holder. This holder is widely used to measure coatings safely on moving surfaces such as high-speed press rollers. It can also be used on stationary, flat, or curved surfaces since the holder makes it easier to exert a steady, even force on the gage.



Ordering Information

| Cat. No. | Description |
|----------|------------------------|
| 6580 | Holder for Inmont Gage |

Accessories

| Dimensions | Net Weight | Shipping Weight |
|--------------------------------------|------------------|------------------|
| 6,4 x 5,1 x 17,8 cm (2,5 x 2 x 7 in) | 0,2 kg (0,4 lbs) | 0,5 kg (1,0 lbs) |

Interchemical Gages



Ordering Information

| Cat. No. | Description |
|----------|---------------------------|
| 6500 | Inmont Gage L, 0-1 mil |
| 6958 | Inmont Gage L, 0-2 mil |
| 6959 | Inmont Gage R, 0-1 mils |
| 6511 | Inmont Gage R, 0-2 mils |
| 6512 | Inmont Gage R, 0-4 mils |
| 6513 | Inmont Gage R, 2-12 mils |
| 6514 | Inmont Gage R, 10-30 mils |
| 6960 | Inmont Gage S, 0-1 mils |
| 6961 | Inmont Gage S, 0-2 mils |
| 6962 | Inmont Gage S, 0-4 mils |
| 6963 | Inmont Gage S, 2-12 mils |
| 6964 | Inmont Gage S, 10-30 mils |
| 6515 | Inmont Gage L, 0-20 µm |
| 6965 | Inmont Gage L, 0-40 µm |
| 6516 | Inmont Gage R, 0-20 µm |
| 6541 | Inmont Gage R, 0-40 µm |
| 6542 | Inmont Gage R, 0-100 µm |
| 6543 | Inmont Gage R, 50-250 µm |
| 6544 | Inmont Gage R, 200-700 µm |
| 6550 | Inmont Gage S, 0-20 µm |
| 6551 | Inmont Gage S, 0-40 µm |
| 6552 | Inmont Gage S, 0-100 µm |
| 6553 | Inmont Gage S, 50-250 µm |
| 6554 | Inmont Gage S, 200-700 µm |

Comes complete with:

Inmont Film Gage
Operating instructions

Note: Holder must be ordered separately

Info!

Certification available.
Please contact Customer Service for pricing.

Technical Specifications

| Scale | Full Scale Calibration Range | Recommended | Resolution |
|------------------------|---|---------------|------------|
| English | 0 - 1 mil | 0.2 - 0.8 mil | 0.05 mil |
| English | 0 - 2 mil | 0.4 - 1.6 mil | 0.1 mil |
| English | 0 - 1 mil | 0.2 - 0.8 mil | 0.05 mil |
| English | 0 - 2 mil | 0.4 - 1.6 mil | 0.1 mil |
| English | 0 - 4 mil | 0.8 - 3.2 mil | 0.2 mil |
| English | 2 - 12 mil | 3 - 11 mil | 0.5 mil |
| English | 10 - 30 mil | 11 - 20 mil | 1.0 mil |
| English | 0 - 1 mil | 0.2 - 0.8 mil | 0.05 mil |
| English | 0 - 2 mil | 0.4 - 1.6 mil | 0.1 mil |
| English | 0 - 4 mil | 0.8 - 3.2 mil | 0.2 mil |
| English | 2 - 12 mil | 3 - 11 mil | 0.5 mil |
| English | 10 - 30 mil | 11 - 20 mil | 1.0 mil |
| Metric | 0 - 20 µm | 4 - 16 µm | 1 µm |
| Metric | 0 - 40 µm | 8 - 32 µm | 2 µm |
| Metric | 0 - 20 µm | 4 - 16 µm | 1 µm |
| Metric | 0 - 40 µm | 8 - 32 µm | 2 µm |
| Metric | 0 - 100 µm | 20 - 80 µm | 5 µm |
| Metric | 50 - 250 µm | 70 - 230 µm | 10 µm |
| Metric | 200 - 700 µm | 250 - 650 µm | 25 µm |
| Metric | 0 - 20 µm | 4 - 16 µm | 1 µm |
| Metric | 0 - 40 µm | 8 - 32 µm | 2 µm |
| Metric | 0 - 100 µm | 20 - 80 µm | 5 µm |
| Metric | 50 - 250 µm | 70 - 230 µm | 10 µm |
| Metric | 200 - 700 µm | 250 - 650 µm | 25 µm |
| Dimensions | 5 cm dia x 2.5 cm (2 in dia x 1 in) | | |
| Net Weight | Model L: 0.1 kg (0.3 lbs) / Model R/S: 0.2 kg (0.5 lbs) | | |
| Shipping Weight | Model L/R/S: 0,34 kg (0,75 lbs) | | |

Appearance

Color

Film Thickness

Technical Service

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