

# 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).

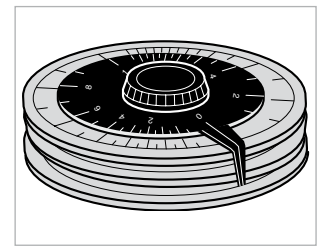
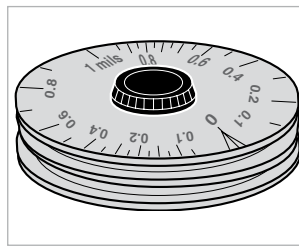
BYK-Gardner offers three basic models in various ranges. All models have an accuracy of +/- 0.0001 in (2.5 µm) or 2.5% full scale, whichever is greater.

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.



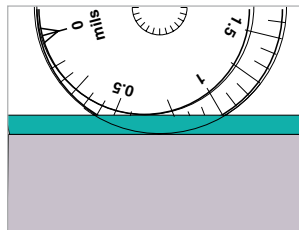
### Model S – General Use

- 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 critical measurements
  - Has a rotating scale to facilitate accurate gage reading
  - No black plate on the opposite side of the wheel is present
- \*Note: 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
- \*Note: 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

## 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	0.2 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

<b>Dimensions</b>	5 cm dia x 2.5 cm (2 in dia x 1 in)
<b>Net Weight</b>	Model L: 0.1 kg (0.3 lbs) / Model R/S: 0.2 kg (0.5 lbs)
<b>Shipping Weight</b>	Model L/R/S: 0.34 kg (0.75 lbs)

\* U.S. Patent No. 3,128,558

### Info!

Certification available.  
Please contact Customer Service for pricing.