

Wet Film Thickness Gauges with wheels (microns)

Wet Film Thickness Gauges

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

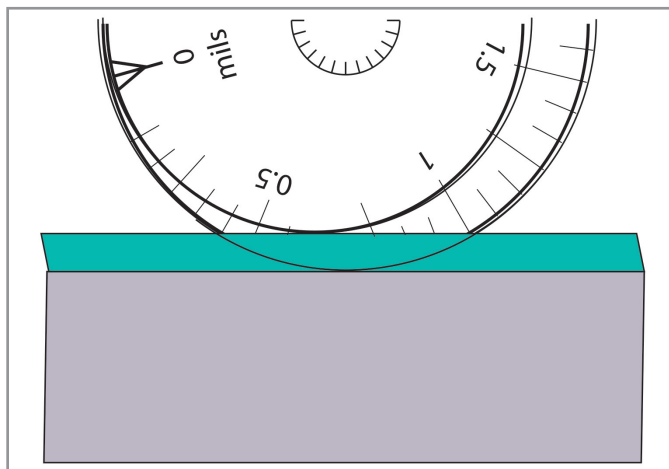
- For very thin coatings and accurate measurements on moving surfaces
- Inside is hollowed out; very lightweight – only 0.3 lb
- Black rotating scale to minimize reading errors
- For identification purposes, this model has a black plate pressed into the wheel on the opposite side of the scale * U.S.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



How to use an Inmont gage

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.

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.



Standards

ASTM D1212
ISO 2808

Catalog Number	Short Description	Full Scale Calibration Range	Recommended	Resolution	Weight	Weight	Dimensions	Dimensions
6515	Inmont Gage L, 0-20 µm	0 - 20 µm	4 - 16 µm	1 µm	0.1 kg	0.3 lb	Ø 5 x 2.5 cm	Ø 2 x 1 in
6516	Inmont Gage R, 0-20 µm				0.2 kg	0.5 lb		
6541	Inmont Gage R, 0-40 µm	0 - 40 µm	8 - 32 µm	2 µm				
6542	Inmont Gage R, 0-100 µm	0 - 100 µm	20 - 80 µm	5 µm				
6543	Inmont Gage R, 50-250 µm	50 - 250 µm	70 - 230 µm	10 µm				
6544	Inmont Gage R, 200-700 µm	200 - 700 µm	250 - 650 µm	25 µm				
6550	Inmont Gage S, 0-20 µm	0 - 20 µm	4 - 16 µm	1 µm				
6551	Inmont Gage S, 0-40 µm	0 - 40 µm	8 - 32 µm	2 µm				
6552	Inmont Gage S, 0-100 µm	0 - 100 µm	20 - 80 µm	5 µm				
6553	Inmont Gage S, 50-250 µm	50 - 250 µm	70 - 230 µm	10 µm				
6554	Inmont Gage S, 200-700 µm	200 - 700 µm	250 - 650 µm	25 µm				
6965	Inmont Gage L, 0-40 µm	0 - 40 µm	8 - 32 µm	2 µm	0.1 kg	0.3 lb		

Delivery Content

Inmont Gage

Note: Please order Holder (6580) seperately

Catalog Number	Short Description
6580	Holder for Inmont Gage
14016	Inmont Gage Case