

Fred V. Fowler Company, Inc.



UltraMess I Dial Comparators

UltraMess I Dial Comparators are exceptionally well-built and of high quality.

Measuring spindle mounted in high-precision ball guide prevents tilting, keeping friction and play to a minimum. This allows high measurement accuracy and minimal hysteresis.

Hardened, stainless steel mounting shank and measuring spindle are corrosion proof. Jewelled movement and precision gears and pinions offer maximum sensitivity and accuracy.

A self-contained movement is easily removed for repair or maintenance. Fine adjustment is achieved by a lockable screw.

Shockproof movement. The precision ball of the first transmission lever rests on the lapped sapphire plane surface of the upper end of the measuring spindle. If the spindle is subject to severe impact, the plane surface is automatically raised, thus preventing transmission of shock to the movement.

Box-type housing opens at the front. One-piece bottom and side walls. Shell provides maximum protection against shocks and damage.



Order Number	Readings	Measuring Range	Over travel	Shank Diameter	Measuring Force
Inch					
53-520-001	.00005"	±.0020"	.11"/2.8mm	8mm	1N
Metric					
53-520-005	1µm	±50µm	.11"/2.8mm	8mm	1N