



UltraMess I & II Indicators

New to the Fowler Company, UltraMess I and II Indicators are exceptionally built with 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. Jeweled 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 | Meas. Range | Over-travel | Shank Dia. | Meas. Force |
|-------------------------------|----------|-------------|-------------|------------|-------------|
| UltraMess I Dial Comparators | | | | | |
| Inch | | | | | |
| 53-520-001 | .00005" | ±.0020" | .11"/2.8mm | 8mm | 1N |
| Metric | | | | | |
| 53-520-005 | 1µm | ±50µm | .11"/2.8mm | 8mm | 1N |
| UltraMess II Dial Comparators | | | | | |
| Inch | | | | | |
| 53-520-101 | .00002" | ±.0010" | .11"/2.8mm | 8mm | 1N |
| Metric | | | | | |
| 53-520-105 | 0.5µm | ±25µm | .11"/2.8mm | 8mm | 1N |