

## INTERFACE CALIBRATION LOAD CELLS RECOMMENDATIONS FOR BEST RESULTS

Interface Force Measurements are committed to providing the highest performance load cells possible for a wide range of applications, including use as reference units for the calibration of other load cells or other force testing equipment.

Many of our customers are calibration laboratories who trust our load cells to deliver the best possible performance when used as calibration reference devices to ensure accuracy that meets or exceeds ASTM E74 and ISO376 requirements.

If you intend to use your Interface Load Cell as calibration reference device, we strongly recommend the following procedures and precautions to ensure the best possible calibration results and accuracy:

1. When selecting a load cell for calibration purposes, please contact our sales engineers on 01344 776666 or via e-mail on [info@interface.uk.com](mailto:info@interface.uk.com). They will be happy to assist you when selecting the best possible products for your calibration application
2. We strongly recommend selecting a load cell from our [1100 Ultra Precision](#), [1600 Gold Standard](#) or [1800 Platinum ranges](#). The 1100 series offers superior non-linearity, hysteresis and non-repeatability performance characteristics when compared to many other manufacturers' products.  
The 1600 and 1800 series load cells are specifically designed as calibration grade devices, supplied complete with locked in calibration adaptors and are normally supplied with ASTM E74 or ISO 376 calibrations as standard. Performance of the 1600 and 1800 ranges are guaranteed to as little as 4% of capacity or better, as per ASTM. No other load cell manufacturer guarantees this level of performance on its calibration grade load cells.
3. When placing an order for your calibration load cell, please ensure you order it complete with factory fitted, locked in calibration adaptors. This ensures that the load cell threads are fully engaged for best possible accuracy and performance.
4. When placing an order for a new load cell that is indented for use as calibration reference unit, we would recommend a ASTM E74 or ISO376 calibration at Interface Force's factory lab prior to you load cell being shipped
5. If you are having an existing Interface load cell calibrated by an independent calibration facility, to ISO376 standards, please ensure your calibration is carried out with calibration adaptors fully engaged and locked with the load cell threads to ensure best possible results.

