

Interlaboratory Comparison (ILC) Rental Kit

✓ ISO compression adapter reduces errors and simplifies setup



✓ Highly accurate 4215 indicator with cable



✓ Ultra-precision load cell calibrated with deadweight primary standards

✓ Calibrated per ASTM E74 in compression

Standard Features

- Rental kit includes a load cell, adapters, 4215 indicator, cable, calibration certificate, and instructions
- Available with a 25k or 100k load cell
- Calibration is done in accordance with ASTM E74 to establish an expected performance
- Calibration is performed 1-2 days before shipment
- Options for compression only, tension only, or compression and tension calibration
- Kit is safely transported in a custom case
- 21 days allowed from shipment to return of rental kit
- Helps satisfy ISO/IEC 17025:2017, Section 7.7.2 requirement for interlaboratory comparisons
- PT report available from Sapphire Proficiency Testing (optional)

Make Better Measurements

Morehouse wants to help you make better force measurements. Our goal is to provide a very low overall uncertainty for direct comparison. The low uncertainty allows for a more robust method to ensure laboratories meet their claimed CMC uncertainties. This service is offered to:

1. help laboratories validate their CMC claims and make the necessary adjustments to their systems as needed
2. satisfy the ILC requirement

What is Proficiency Testing?

According to ISO/IEC 17043:2010, proficiency testing (PT) is the “evaluation of participant performance against pre-established criteria by means of interlaboratory comparisons.”

What is Interlaboratory Comparison?

According to ISO/IEC 17043:2010, interlaboratory comparison (ILC), is the “organization, performance and evaluation of measurements or tests on the same or similar items by two or more laboratories in accordance with predetermined conditions.”

Using an ILC Rental Kit

Once the end-user receives the ILC rental kit, they will perform their tests. If the rental kit will be used to help validate the system, then a calibration certificate will be sent with the kit. **If the end-user wants a PT report, then a calibration certificate will not be sent.**

Morehouse does not offer PT because it would be a conflict of interest. However, Morehouse and the end-user will send data to a third-party PT provider like Sapphire Proficiency Testing.

Morehouse allows for 21 days from shipment to return of the rental kit. Assuming a worst-case scenario five-day shipment, this provides at least one week for the end-user to make the measurements. We encourage anyone with a transit time longer than three days to opt for a 2nd-day shipment, allowing two weeks for testing.

