

XL-80 and XC-80 some benefits are obvious...



...some are hidden

- **increased accuracy**
- **improved dynamic performance**
- **quicker and easier to set-up and use**
- **totally compatible with existing optics**

Special offer for ML10 users only

Upgrade your laser system today

Why upgrade to the new XL-80 system?

Increased accuracy and dynamic performance

Linear measurement accuracy is an assured ± 0.5 ppm. Readings can be taken at up to 50 kHz, with a maximum linear measurement speed of 4 m/s and a linear resolution of 1 nm, even at maximum speed.

Quicker and easier to set-up and use

The XL-80 is quick and easy to set-up and use, reducing waiting time and increasing available measurement time. The compact XL-80 laser and XC-80 compensator pack neatly into a portable 'wheelie-case' (making transport a breeze) for easy transportation.

Fully compatible with ML10 optics

The XL-80 is fully compatible with existing ML10 laser optics. No new procedures for a simpler, cost-effective upgrade.

Total confidence

Quality of design, build and technical support are Renishaw's hallmarks. State-of-the-art facilities and quality assured production, that's vital, whether you're dealing in microinches or nanometres. A standard 3 year warranty is evidence of our commitment to you, backed up by a worldwide support network.



THE OFFER

Existing ML10 users, upgrade your ML10 laser for the new XL-80 compact laser system and benefit from a 25% discount from regular pricing. This offer is available on an exchange basis when you return your existing ML10, EC10, tripod stage and PC interface.

Do you want quick, easy and portable accuracy? Upgrading is easy with Renishaw's XL-80

Benefits in detail

Portability and handling

The small size of the XL-80 laser and XC-80 compensator means that the tripod and carrying cases are reduced to suit.



The whole system (less tripod) can now be packed into a truly portable “wheelie-case”. A complete linear and angular system, including the case, weighs around 13 kg.



You can even fit a standard QC10 ballbar system into the lid using an optional insert to give a highly portable “check and correct” system that rivals just can't match.

There is a choice of a base system case (linear and angular measurement system) or a full system case that takes an extensive range of optics and accessories.

Performance

- ±0.5 ppm** certified linear measurement accuracy (ML10: ±1.1 or 0.7 ppm)
- 1 nm** resolution (even at max. velocity)
- 4 m/s** maximum travel velocity (ML10: 1 m/s)
- 7 seconds** between each automatic environmental compensation update (ML10: ~ 2 mins)
- 50 kHz** dynamic capture rate (ML10: 5 kHz)
- 80 m** linear range as standard (ML10: 40 m)

Ease of use

- Easier and quicker to set-up with short preheat time (below six minutes), quick release tripod mounting and highly visible LEDs for status and signal strength indication
- “Switchable” between standard and long range modes
- An analogue I/O port allows for analogue position output and a trigger signal input
- Fewer components and connections. Both laser and compensator connect directly to a PC via USB, no separate interface, no complicated set-ups
- The XC-80 is powered via USB therefore no separate power supply is required.

Compatibility

Upgrade your laser system and avoid the potential problems of new procedures and training costs.

Renishaw has focused on making the XL-80 improvements accessible to the maximum number of users. As a result, the new XL-80 laser system is **FULLY BACKWARDS COMPATIBLE** with ML10 optics and set-ups.

This means you can retain your investment in optics, as well as work and test procedures, and keep full traceability with additional measurement options, saving you time and money.

You can therefore minimise the cost of the upgrade package and keep existing work procedures. If you are used to ML10, you'll be using the XL system in minutes!



New XL-80 system



Previous ML10 system



Existing optics

XL basic upgrade kit includes:

- XL-80 laser unit
- XC-80 environmental compensator and sensors
- LaserXL™ software
- XL-80 laser stage kit

Upgrade options include:

- System cases (for basic or full system)
- Universal tripod
- ML-XL tripod converter
- QC10 ballbar insert
- QuickViewXL™ software

**Better, smaller and easier to use;
all at a price you can afford.
Contact Renishaw and upgrade to XL-80 TODAY.**