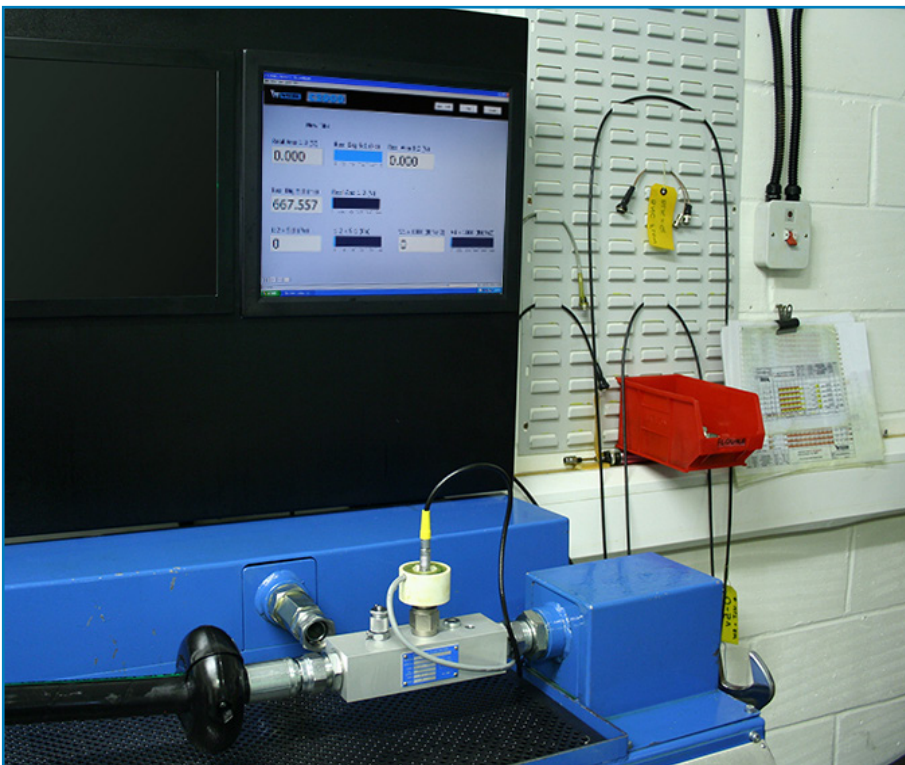


# Webtec's service, recalibration and repair process - explained.

## Author:

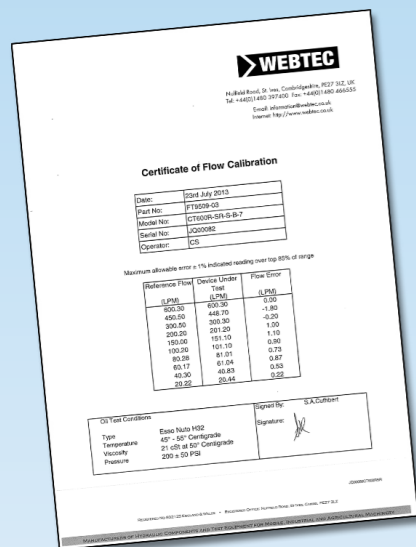
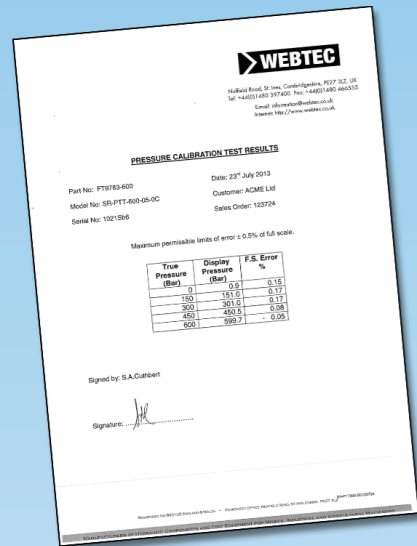
James Andrews

*This document explains the need for calibration of test equipment. What is calibration? Is it important? Why should it be done?*



## What is flow Re-calibration?

Re-calibration is a process during which the measuring range of a device is checked and if necessary, adjusted to ensure accuracy as is stated by the manufacturer. We are often asked how frequently hydraulic test equipment should be re-calibrated.

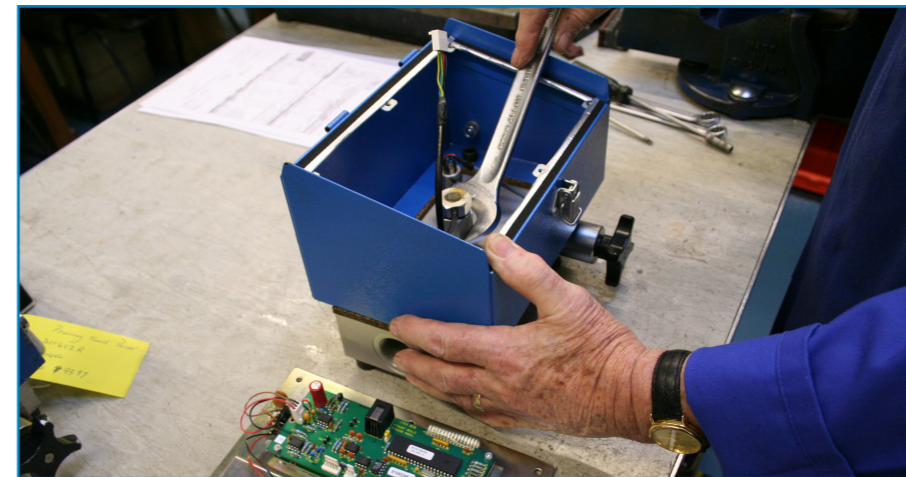


**Webtec recommends that a hydraulic flow meter or hydraulic tester is re-calibrated every 4000 hours, or every 12 months, whichever is sooner.**

Why re-calibrating your device regularly is important:

- Maintained accuracy of the device.
- Inspection and full functional check of the flow meter to determine if any repairs are required.
- Provides annual certification for internal/external audit purposes.
- Any impact on the system and/or production processes if an unscheduled repair is required
- Product use or duty cycle
- Wear and tear
- System oil cleanliness (Cleaner oil will mean the flow meter will be less prone to wear and so remain within calibration for longer)
- Other operating conditions e.g.: vibration, moisture, heat, dust
- Your own company's ISO9001 recommendation for frequency of calibration

The accuracy of a device ensures that it remains within its calibrated range during use. Inaccuracy can be due to many factors, some of which are listed below. You may choose to rely on your own internal quality system to determine recalibration intervals for calibrated devices. If so, you should also consider the following:



**On occasion we will recommend any additional repairs which may be required.**

All Webtec repairs are warranted for a period of 3 months as standard, unless otherwise stated.

Occasionally, if following assessment the equipment is found to be irreparable or uneconomical, Webtec will offer an upgrade or a trade in option.

Lead times for recalibration/repair are ten working days from receipt of an order.

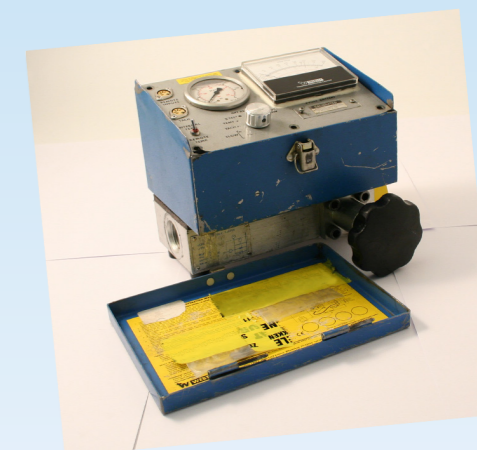
All Webtec test equipment is calibrated against a known reference and a Service certificate of conformity is provided at no additional cost.

This certificate states that the unit is calibrated, but does not provide actual test results. Should you also require a copy of the calibration data this can be purchased separately by ordering a 'Certificate of flow calibration' and/or a 'Certificate of pressure calibration'. Please see our Certificates data sheet for further details.

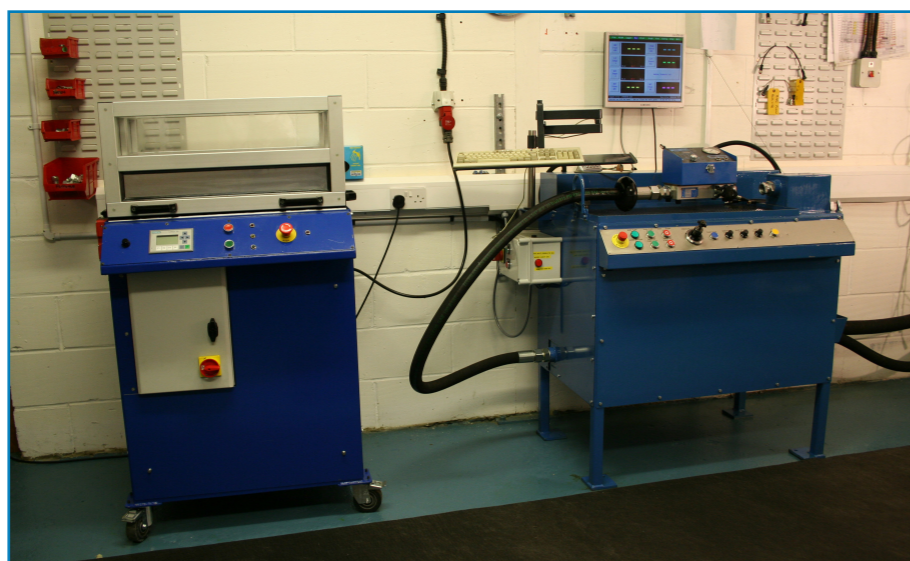
To book your test equipment in for recalibration/repair, please fill in the online form at [www.webtec.com](http://www.webtec.com) and a returns number will be sent to you.

For additional information regarding recalibration and also repairs that may be required, please visit our website.

**We also offer upgrades**  
**Contact us for more information**



Before . . .



. . . After

Webtec designs and manufactures a wide range of hydraulic components and test equipment.

For further details and to discuss your flow application with a qualified hydraulic sales engineer, please go to [www.webtec.com](http://www.webtec.com)



**Milwaukee, WI 53235, USA**

**Tel: +1 (414) 769-6400**

**[sales-us@webtec.com](mailto:sales-us@webtec.com)**

**St. Ives, Cambs. PE27 3LZ, UK**

**Tel: +44 (0) 1480 397 400**

**[sales-uk@webtec.com](mailto:sales-uk@webtec.com)**

**[www.webtec.com](http://www.webtec.com)**

**Hydraulic measurement and control**