

Press Release

Casella offer advanced dynamic rain gauge calibration and production capabilities.

As part of its ongoing product improvement and development program, and in response to increasing demand for accurate measurement of high rainfall intensities, Casella has instigated a new fully automated dynamic calibration facility on its tipping bucket rain gauge production operation.

The new calibration procedure will automatically perform calibration at 4 points of rainfall intensity typically in the range 40-800mm/hr.

This allows us to offer users more detailed technical information on the product and improved service levels, and better meeting their product and delivery expectations.

All gauges will now be supplied with a printed multi point calibration certificate, essential for traceability of data and product performance auditing. Gauges are accurate to <2% at 40mm/h

A correction algorithm is now also provided as standard, this allows users to undertake correction of rainfall data at extremely high rainfall intensities if required.(<2% at 40mm/h).

With correction, all tipping buckets provide intensity errors of < 5% across the entire range of rainfall intensities in compliance with WMO requirements.

In addition to the calibration improvements, the funnel outlet diameter on the 0.2 and 0.5mm capacity buckets have been increased to remove funnel back up effects, reducing cost of ownership, and the need for service visits in the field.

All Casella Tipping bucket rain gauges are WMO, BMO compliant and calibrated in full compliance with BS 7843-3.3:2005

New features:

- Improved service levels
- Multipoint rainfall intensity calibration
- Wide range of rainfall intensity 40-800mm/hr
- Full calibration certificate with each gauge
- Correction algorithm available

Gary Noakes Market manager says:

” These advances in the product and calibration procedure take us one step further towards our goal of becoming the preferred supplier of tipping bucket rain gauges for all rainfall monitoring network users, hydrologists and system integrators.”