



The Automated Chambers Application Using Cavity Ring Down Spectroscopy at Field Measurements

Inga Grinfelde and Jovita Pilecka

Latvia University of Life Sciences and Technologies, Faculty of Environment and Civil Engineering, Jelgava, Latvia
(inga.grinfelde@llu.lv)

The cavity ring down spectroscopy is one of most popular method to measure atmospheric components and trace gases. One of important field is soil flux measurements, however there is still need to automate soil flux measurements. The aim of this research is to test accuracy of automated chambers developed by Amiston Ltd. and it comp ability with Picarro G2508 CRDS device. The test results show good data quality and synchronisation with Picarro G2508 work well.

Aknowledgements. The research were financed by Latvia University of Life Sciences and Technologies, Scientific Laboratory of forest and Water Resources. The technical support was promoted by Amiston Ltd.