



## Technical Information

---

### PLEASE PASS THIS IMPORTANT NOTE TO ALL OPERATORS OF YOUR CG-3 GRAVIMETERS

#### TECHNICAL NOTE #1 TO ALL CG-3 OWNERS

Re: Maximum Time Between Drift Correction Updates

In the "Getting Started" section of our Autograv Operator Manual, it is suggested that you check and adjust your Drift Correction at time intervals, which range from once per week for new CG- 3's to once per month after they have been in service for a month or more.

After your CG-3 has been in service for several months, its drift rate may have stabilized so well that you see little need to perform this Drift Correction update and have neglected to do so for several months.

If this should happen, to avoid any alarm, we should alert you to a characteristic of the drift control software that may cause an unexpected event to occur.

As indicated in the footnote on page 9-8 of the Appendices to your Autograv Operator Manual, the intrinsic duration on any specific long term Drift Correction is 128 days. If no update has occurred during this period, then the Drift Correction clock resets itself, in two jumps, one at midnight on the 128th day and the second at midnight on the 129th day. The net result will be a change in level of the gravimeter reading, equal to the entire Drift Correction over the 128 days.

Thereafter, if you should still not update the Drift Correction factor, your CG-3 will operate perfectly normally, with the old Drift Correction factor, for a further 128 days, but with the change in level indicated above. If desired, the change in level can be compensated by using an appropriate Gravity Reference value.

It remains our recommended practice that you check and update your Drift Correction factor and its start time on a monthly basis, even after your CG-3 has been in use for some time. If you do so, the event mentioned above will never occur. There will be an attendant level shift when this update is made, and you can, again, compensate using an appropriate Gravity Reference value.

Please attach this Technical Note to your Autograv Operator Manual, and draw it to the attention of all operators of your instrument.



#### Head Office

**SCINTREX** Limited  
222 Snidercroft Road  
Concord, Ontario, Canada L4K 1B5  
Tel: +1-905-669-2280  
Fax: +1-905-669-6403  
e-mail:scintrex@scintrexltd.com  
website: www.scintrexltd.com

#### In the U.S.A.

**SCINTREX** Inc.  
900 Woodrow Lane, Suite 100  
Denton, Texas  
76205 U.S.A.  
Tel: +1-940-591-7755  
Fax: +1-940-591-1968  
e-mail:richardj@scintrexusa.com

#### In S.E. Asia

**SCINTREX** / AUSLOG  
P.O. Box 125 Sumner Park  
83 Jijaws Street. Brisbane, QLD  
Tel: +61-7-3376-5188  
Fax: +61-7-3376-6626  
e-mail:auslog@auslog.com.au  
website: www.auslog.com.au