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Telephone: (613)952-0640

File N°: 06635-M744  
Project: AP-GL-90-0013

Mr. Thomas Comerford  
Mercury Instruments Inc.  
3940 Virginia Ave.  
Cincinnati, Ohio  
USA 45227

1990-08-15

Dear Mr. Comerford,

This is in response to your recent notification given in accordance with the Electricity and Gas Inspection Regulations, Section 13, regarding devices approved under Notice of Approval G-242 dated February 20, 1989. It is noted that these devices are to be modified as follows:

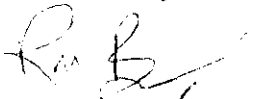
The MERCOR-EC electronic volume corrector, approved under G-242 can be equipped with an optional audit-trail (AT) attachment. The resulting MERCOR-EC-AT provides memory storage of all the measurement data, calculations, alarms, and user-programmed metrological constants i.e. relative-density, mol% H<sub>2</sub>, and mol% CO<sub>2</sub>.

All data changes, logged on the audit trail, are date/time stamped. As well, all data is automatically logged on a time schedule established by the user, e.g. hourly, daily, etc. Recorded data can be extracted, at any time, using a hand-held data terminal, via a "read only" -RS-232 serial port. With suitable software, an IBM compatible PC can be used for this purpose.

The addition of this optional data logging provision does not, in any way, affect the measurement capability of the approved MERCOR-EC electronic volume corrector.

I am advised by the Gas Metrology Laboratory that their evaluation of the proposed modifications indicates that they may be regarded as immaterial in relation to the approval provisions of the Act. Accordingly, your notification is acknowledged and the modifications are accepted as being included within the above-noted approval. All recipients of the approval notice are being informed by copy of this letter.

Yours truly,

  
W.R. Virtue, Chief  
Legal Metrology Laboratories

cc: Approvals Mailing List

**Canada**