



Consumer and
Corporate Affairs Canada

Consommation et
Corporation Canada

REF. No.: 6953-M996

Consumer Standards
Directorate

Direction générale
des normes

RECORD OF APPROVAL ACTION

Approval Listing Number -

S.WA-1153

(Issued in advance of preparation of formal Approval Notice)

Ottawa, April 18, 1980

Company: Liquid Control Services (Que) Ltd.,
7990 Alfred Avenue,
Ville d'Anjou, P.Q.
H1J 1J2

Type of Device: MID:COM electronic computing type register system for
use on meters on vehicle tanks for delivery of fuel oil, gasoline,
propane, etc.

Model Number: 6500

Description:

Pulser-indicator: The pulser-indicator unit, which mounts on top of
the meter body, replaces the Lockheed, Neptune or
Veeder-Root register. It consists of a pulser
generating 20 pulses per revolution, a mechanical
revolution counter and an electronic volume indica-
tor.

Computer-printer: The computer-printer unit mounts in the cab of the
vehicle and is connected to the pulser-register unit
by a single cable sealed at both ends. The pulses
from the pulser-indicator unit are totaled, then
multiplied in the microprocessor by the meter factor
set on the 4 (sealed, inside console housing) cali-
bration switches and the price per unit (including
tax, if any) set on the thumbwheel switches on the
front of the cabinet.

Description (Cont'd):

There is also on the front of the console a toggle switch for power on-off, a reset-to-zero pushbutton, a ticket tray pushbutton, a print pushbutton and a volume indicator as on the pulser-indicator unit. Pushing the reset button clears both indicators and prints a line of zeroes on the ticket. The price and tax may be set before or during the delivery as the total price is not computed until the "print" button is depressed. A timer automatically causes the ticket to be printed shortly after the flow stops; this prevents "riding the ticket".

Conditions: For the installation to comply with section 233 of the Regulations, a solenoid-controlled valve is required to prevent delivery of liquid when the register is not operative. All registers used in Canada shall register in litres, with indication normally to 0.1 litre and to 0.05 litre for test purposes. A special valve is required for propane.

As this register is non-reversing, a leak-proof check valve is required to prevent reverse flow from the expanded hose, and a pressure gauge shall be installed between the check valve and the hose.

This register has not been tested at the Laboratory, only in the field, and approval is conditional on that any deficiencies which develop after further use or testing be corrected on future production and modifications be retrofitted to units already in use.

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John Buchanan
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Legal Metrology Branch