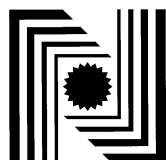


S327
22 March 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Supplementary Certificate of Approval

No S327

Issued under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in respect of the

Wilson Model Key-lock T351 Fuel Usage Recorder

submitted by Gilbarco Aust. Ltd
now of 20 Highgate Street
Auburn NSW 2144

has been cancelled in respect of new instruments as from 1 April 2002.

Signed by a person authorised under Regulation 60
of the National Measurement Regulations 1999 to
exercise the powers and functions of the Commission
under this Regulation.





National Standards Commission

Supplementary Certificate of Approval

No S327

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

Wilson Model Key-lock T351 Fuel Usage Recorder

submitted by Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 January 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S327 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S327 in addition to the approval number of the instrument.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 15 December 1995

- A Wilson model Key-lock T351 key-operated fuel usage recorder for use in a Commission-approved driveway flowmeter with a Veeder Root model VR101 or VR2002 indicator.

Technical Schedule No S327 describes the pattern.

Variants: approved 23 April 1998

1. For use with a Gilbarco Electroline type indicator.

Technical Schedule No S327 Variation No 1 describes variant 1.

FILING ADVICE

Supplementary Certificate of Approval No S327 dated 2 October 1996 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Supplementary Certificate of Approval No S327 dated 15 July 1998
Technical Schedule No S327 dated 2 October 1996 (incl. Test Procedure)
Technical Schedule No S327 Variation No 1 dated 15 July 1998
Figures 1 and 2 dated 2 October 1996

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





National Standards Commission

TECHNICAL SCHEDULE No S327

Pattern: Wilson Model Key-lock T351 Fuel Usage Recorder.

Submitter: Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113

1. Description of Pattern

The pattern (Figure 1) is a Wilson model Key-lock T351 mechanical key-operated fuel usage recorder/totaliser designed to be driven from the lower quantity drum drive shaft of a Veeder Root model VR101 or VR2002 price-computing indicator in any Commission approved Gilbarco single nozzle driveway flowmeter installed as a locally-authorized unit.

1.1 Design and Operation

The instrument, which is attached to the non-operational side of the driveway flowmeter (Figure 2), is a group of simple, non-resettable key-operated accumulative totalisers driven from a central drive mechanism. Each totaliser is numbered, has a maximum display of 99999 litres, and is 'Customer Operated' using a unique user's key. Modules with 10, 20, 30 and 40 totalisers may be used, allowing up to a maximum of 40 different users.

The totalisers record the throughput of fuel for each user and are engaged and disengaged by actuating the unique user's key in its relative lock. This action activates an internal locking device preventing the use of a second totaliser.

The unique user's key also activates a magnetic switch assembly in the Key-lock T351, providing an electrical interlock to the electrical circuit of the pump motor enabling the operation of the driveway flowmeter.

1.2 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark
Model number
Serial number
Approval number

NSC No S327

In addition the instrument shall be marked with a notice stating **"200 litres Minimum Measured Quantity"**.

1.3 Sealing and Verification/Certification Provision

The drive shaft from the computer/indicator to the fuel usage recorder is sealed in such a way that disengagement of the drive shaft is not possible without breaking or destroying the seal.

Provision is made for the application of a verification/certification mark.

TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the driveway flowmeter to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the Inspector's Handbook.

The maximum permissible errors applicable are those applicable to the driveway flowmeter to which the instrument approved herein is fitted, as stated in the approval documentation for driveway flowmeter.

In addition the following points should be checked:

- . Make several deliveries on a driveway flowmeter so that the equivalent total on the totaliser is equal to or greater than the Minimum Measured Quantity and ensure that the total of all the quantities indicated on the driveway flowmeter is within ± 1 litre of the indication of the totaliser.
- . Ensure that only one totaliser can be activated at any time during the delivery by attempting to actuate another user's key.

TECHNICAL SCHEDULE No S327

VARIATION No 1

Pattern: Wilson Model Key-lock T351 Fuel Usage Recorder

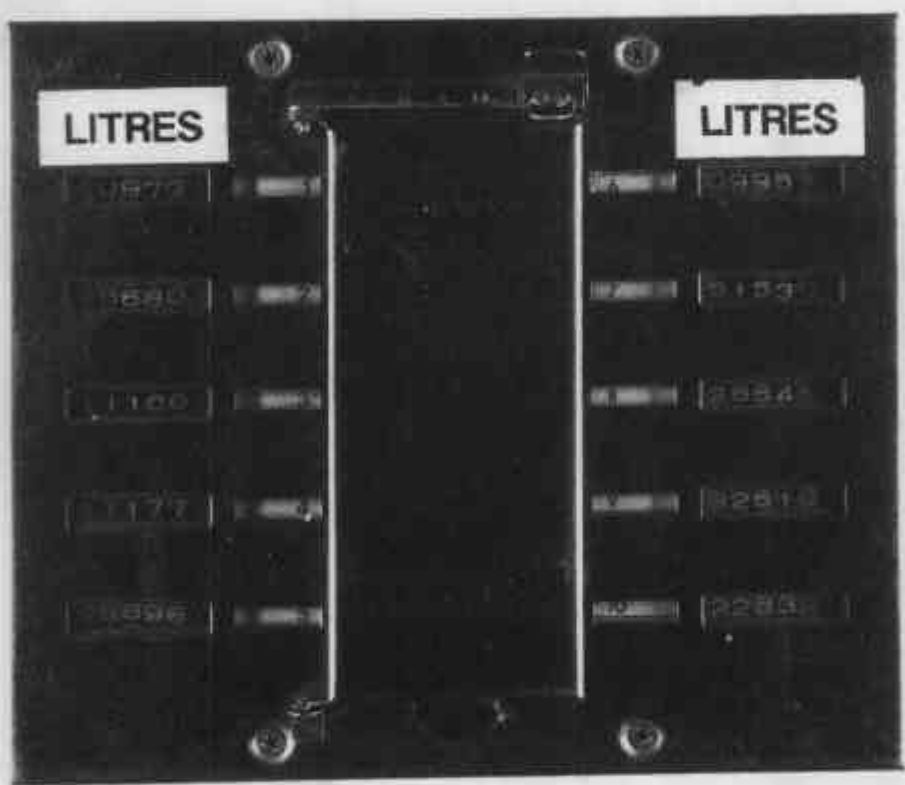
Submittor: Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Variant 1

For use in a Commission-approved driveway flowmeter with a Gilbarco Electroline type indicator.

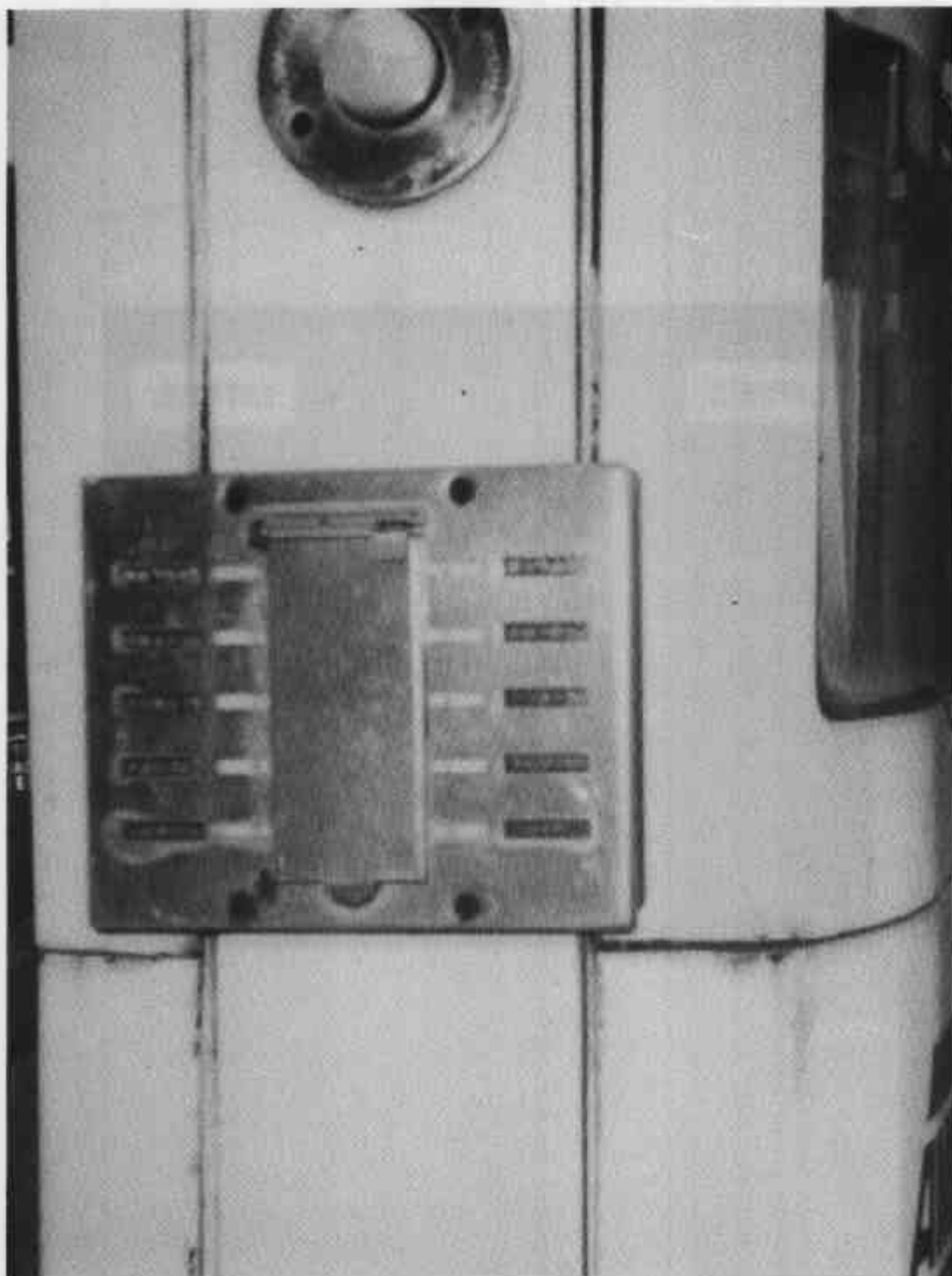
The fuel usage recorder is driven by an arrangement of shafts and gears from the drive shaft of the mechanical totaliser.

FIGURE S327 - 1



Typical Wilson Model Key-lock T351 Fuel Usage Recorder

FIGURE S327 - 2



Typical Wilson Key-lock Installation