S337
29 November 2002

National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No S337

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

Telematic Model LC30 Load Cell/Weighing System Protection Device

submitted by MTL Instruments Pty Ltd
9 Vinnicombe Drive
Canning Vale WA 6155

has been cancelled in respect of new instruments as from 1 January 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 S337

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

Telematic Model LC30 Load Cell/Weighing System Protection Device

submitted by MTL Instruments Pty Ltd
9 Vinnicombe Drive
Canning Vale WA 6155.

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 November 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S337 and only by persons authorised by the submittor.

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Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S337 in additon to the approval number of the instrument.

It is the submittor'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 values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

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

Special:

The approval of these devices does not in any way indicate approval by the Commission of any claims regarding the ability of these devices to protect load cells (or indicators) from damage. The approval means that the devices, when installed according to the manufacturer's specifications and within the limits of this approval, have not been found to detrimentally affect the performance of the weighing instrument.

DESCRIPTIVE ADVICE

Pattern: approved 11 October 1996

- A Telematic model LC30 load cell/weighing system protection device.

Technical Schedule No S337 describes the pattern.

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FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S337 dated 20 March 1997
Technical Schedule No S337 dated 20 March 1997
Figures 1 and 3 dated 20 March 1997

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 S337

Pattern: Telematic Model LC30 Load Cell/Weighing System Protection Device.

Submittor: MTL Instruments Pty Ltd
9 Vinnicombe Drive
Canning Vale WA 6155.

1. Description of Pattern

A Telematic model LC30 load cell/weighing system protection device (Figure 1), one or two of which may be inserted in the cabling of load cells which are Commission-approved for use with up to 5000 verification scale intervals and with a maximum excitation voltage of 22 V AC or 32 V DC.

NOTE: The devices are intended to protect load cells from damage caused by lightning, however this approval does not in any way imply that such protection will result from the use of these devices.

1.1 Method of Mounting

Installation is to be in accordance with the manufacturer's instructions and may include a surge reduction filter in the mains supply to the digital indicator. Figures 2 and 3 show a typical installation.

NOTE: Where the load cell is wired in a 4 wire system and it is necessary for the cable supplied with the cell to be cut in order to insert the load cell protection device(s), the cable cut-off should not be discarded but should be used to continue the load cell wiring.

1.2 Markings

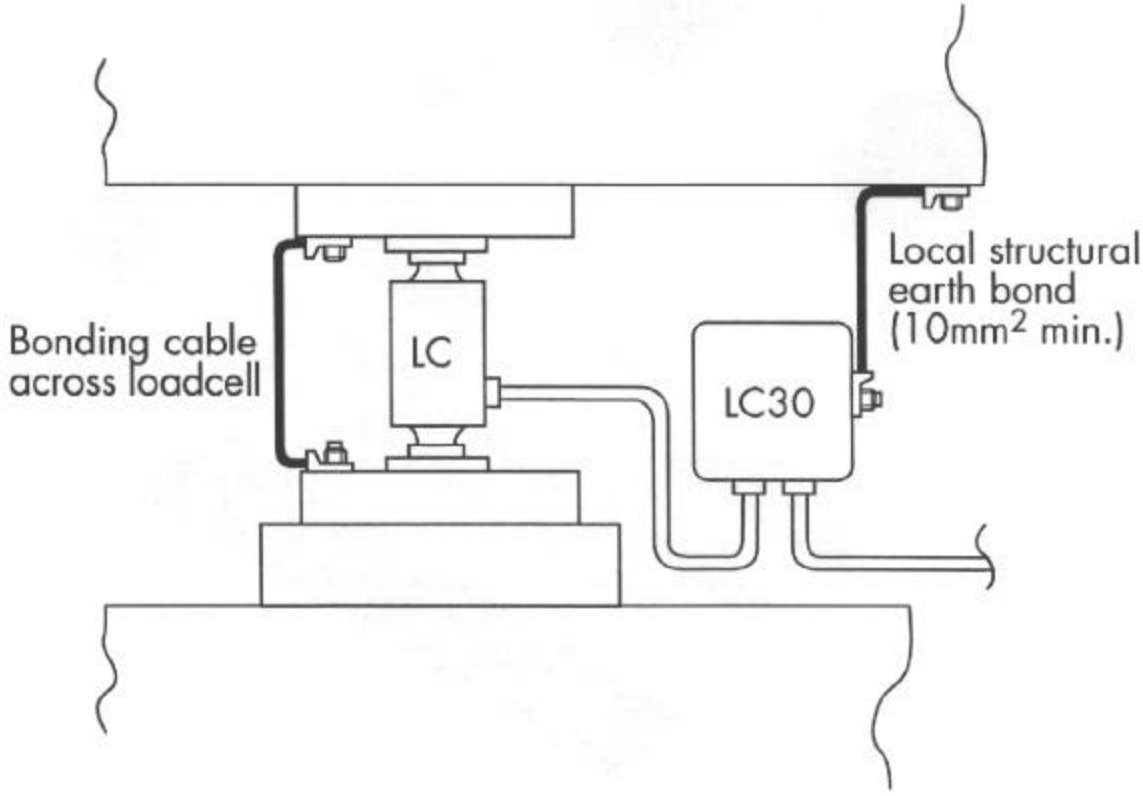
The following is the minimum data required to be marked on the load cell protection devices:

Manufacturer's mark, or name written in full
Model number
Serial number
Pattern approval mark for the device NSC No S337

FIGURE S337 – 1

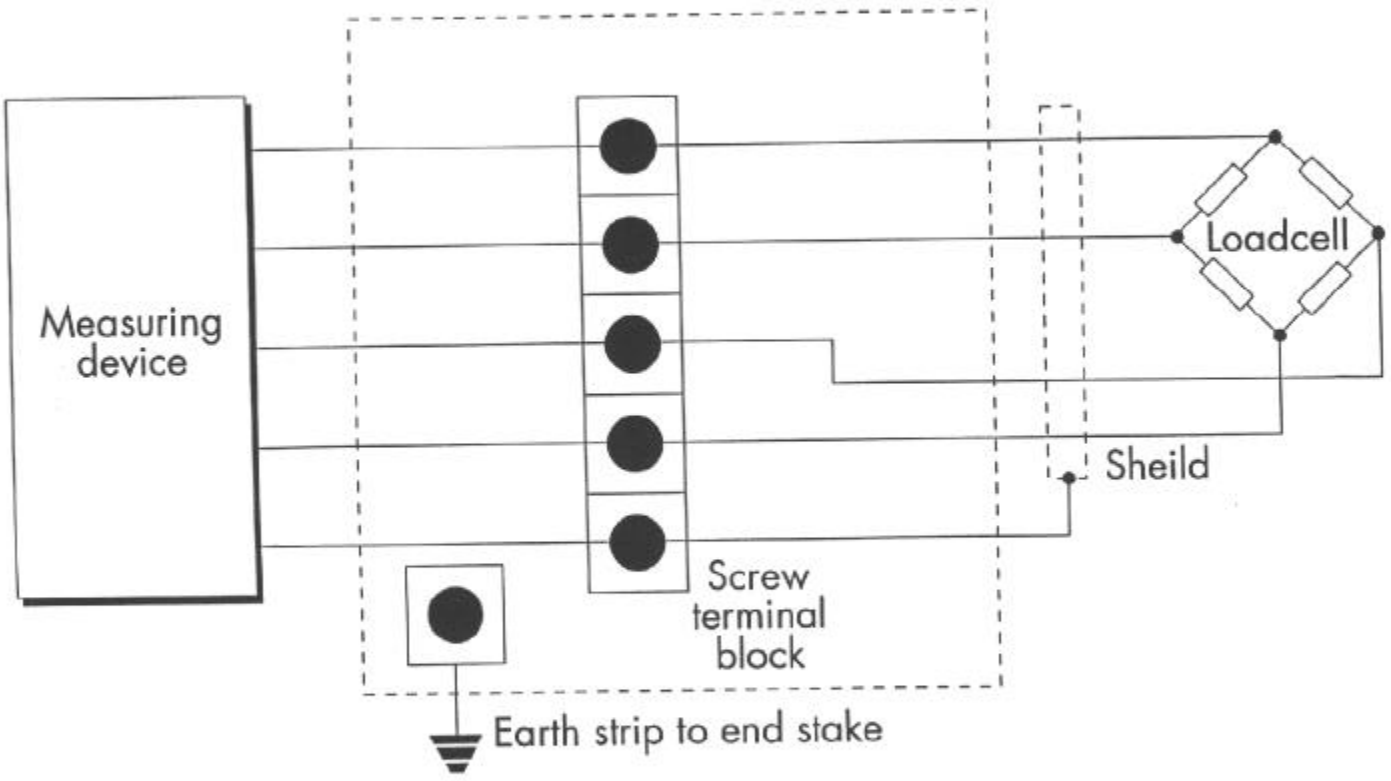
Telematic Model LC30 Load Cell/Weighing System Protection Device

FIGURE S337 – 2



Typical Installation

FIGURE S337 – 3



Typical Wiring Arrangement