Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S204
Change No 3

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Avery Model 8701 Load Cell

submitted by GEC Avery Australia Ltd (now Avery Weigh-Tronix Ltd)
now of Foundry Lane
Smethwick
West Midlands B662LP UNITED KINGDOM.

A. In Supplementary Certificate of Approval No S204 dated 5 January 1987 (5/1/87);

(i) The following should be added to the CONDITIONS OF APPROVAL:

"**Special:**

Model T302 load cells of 45 000 kg capacity (approval NSC S386) may be used to replace some or all approved model 8701 load cells of 45.4 t capacity in existing instruments. Refer to clause **1. Description of Pattern** in Technical Schedule No S204 dated 5 January 1987."

(ii) The FILING ADVICE should be amended by adding the following:

"Notification of Change No 3 dated 18 September 2008"

B. In Technical Schedule dated 5 January 1987, clause **1. Description of Pattern** should be amended by adding the following:

"One or more model T302 load cells of 45 000 kg (*) capacity (which are described in the documentation of approval NSC S386) may be used in the same instrument as a number of model 8701 load cells of 45 400 kg capacity. (Note that approval S204 is no longer valid for NEW instruments, however the model T302 cells may be used to replace model 8701 cells in existing instruments.) Refer to the Special Condition of Approval.

(*) Does not apply to 22 500 kg capacity load cells."

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S204

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

Avery Model 8701 Load Cell

submitted by Avery Australia Limited
3-5 Birmingham Avenue
Villawood NSW 2163.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/12/91.
This approval expires in respect of new instruments on 1/12/92.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S204 in addition to the approval number of the instrument.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

The number of scale intervals applicable to any instrument in which these load cells are used shall be no greater than the number of verification scale intervals approved for the basework or the load cell or the indicator, whichever is the smallest.

Special:

The load cells shall only be used with an Avery indicator incorporating at least three-point linearisation and approved for use with load cells requiring linearisation.

The submittor shall notify the Commission of each instrument incorporating these load cells that is submitted to Weights and Measures Authorities for verification; the results of all verification tests are to be sent to the Commission.

The load cells shall be subject to regular certification by the Commission.

Signed

J Birch

Executive Director

..../2

Descriptive Advice

Pattern: approved 1/12/86

- Avery model 8701 load cell of 45.4 t capacity.

Variant: approved 1/12/86

1. Of 25 t capacity.

Technical Schedule No S204 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S204 dated 5/1/87
Technical Schedule No S204 dated 5/1/87 (including Table 1)
Figures 1 and 2 dated 5/1/87

TECHNICAL SCHEDULE No S204

Pattern: Avery Model 8701 Load Cell

Submittor: Avery Australia Limited
3-5 Birmingham Avenue
Villawood NSW 2163

1. Description of Pattern

An Avery model 8701 load cell of 45.4 t capacity (refer Figure 1 and Table 1).

The load cells shall only be used with an Avery indicator incorporating at least three-point linearisation and approved for use with load cells requiring linearisation.

1.1 Method of Mounting

Mounting is to be in accordance with the method shown in Figure 2.

1.2 Marking

The following is the minimum data required to be marked on the load cells:

Manufacturer's name or mark
Model number
Serial number
NSC approval number NSC No S204
Maximum rated capacity

TABLE 1

Type: Avery 8701				
Maximum capacity		45.4 t		25 t
Maximum number of verification scale intervals (*)	(a)	3000	(a)	4000
	(b)	3000	(b)	4000
Minimum value of verification scale interval (*)	(a)	5 kg	(a)	1.88 kg
	(b)	5 kg	(b)	2 kg
Output rating (nominal)		1.75 mV/V		0.96 mV/V
Input impedance (nominal)		450 ohms		450 ohms
Supply voltage (AC or DC)		10-20 V		10-20 V
Cable length (± 0.1 m)		25 m		25 m
Number of leads (plus shield)		4		4

* (a) Instruments with or without automatic zero track, in multi cell applications.
(b) Instruments with or without automatic zero track, in single cell applications.

2. Description of Variant 1

Of 25 t capacity - refer Figure 1 and Table 1.

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S204

CHANGE No 1

The following changes are made to the approval documentation for the

Avery Model 8701 Load Cell

submitted by Avery Australia Limited
3-5 Birmingham Avenue
Villawood NSW 2163.

1. In Supplementary Certificate of Approval No S204 dated 5/1/87, the 2nd Special Condition of Approval ("The submittor shall notify ..... the Commission") should be removed.

2. In Technical Schedule No S204 dated 5/1/87, Table 1 should be replaced by the Table attached herein, which includes amended values for the verification scale interval.

Signed

Executive Director

...../2

TABLE 1

Type: Avery 8701					
Maximum capacity		45.4 t		25 t	
Maximum number of verification scale intervals	(a)	3000	(a)	4000	
	(b)	3000	(b)	4000	
Minimum value of verification scale intervals	(a)	1.14 kg	(a)	1.14 kg	
	(b)	2.84 kg	(b)	2.84 kg	
Output rating (nominal)		1.75 mV/V		0.96 mV/V	
Input impedance (nominal)		450 ohms		450 ohms	
Supply voltage (AC or DC)		10-20 V		10-20 V	
Cable length (± 0.1 m)		25 m		25 m	
Number of leads (plus shield)		4		4	

(a) Instruments with automatic zero track.

(b) Instruments without automatic zero track.

National Standards Commission

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S204

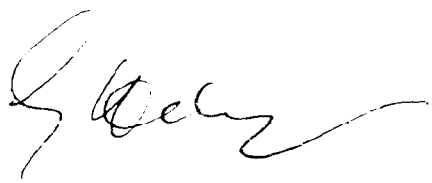
CHANGE No 2

The following changes are made to the approval documentation for the

Avery Model 8701 Load Cell

submitted by GEC Avery Australia Ltd
(Formerly Avery Australia Limited)
12 Rachael Close
Silverwater NSW 2141

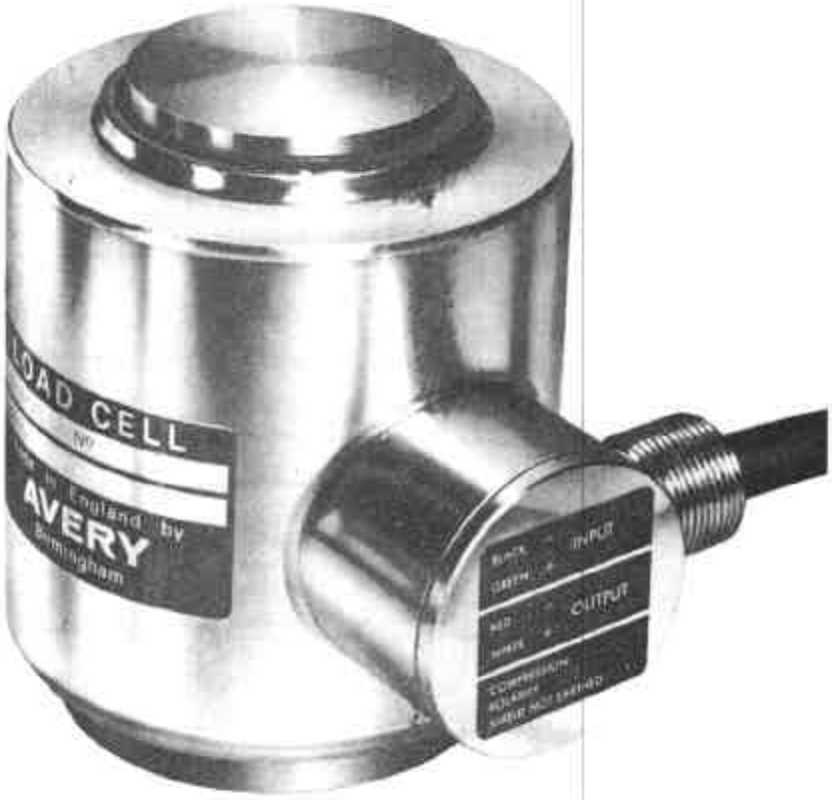
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



(a) In Supplementary Certificate No S204 dated 5/1/87, the first Special Condition of Approval (relating to the types of indicators to be used) is amended by removing the word "Avery".

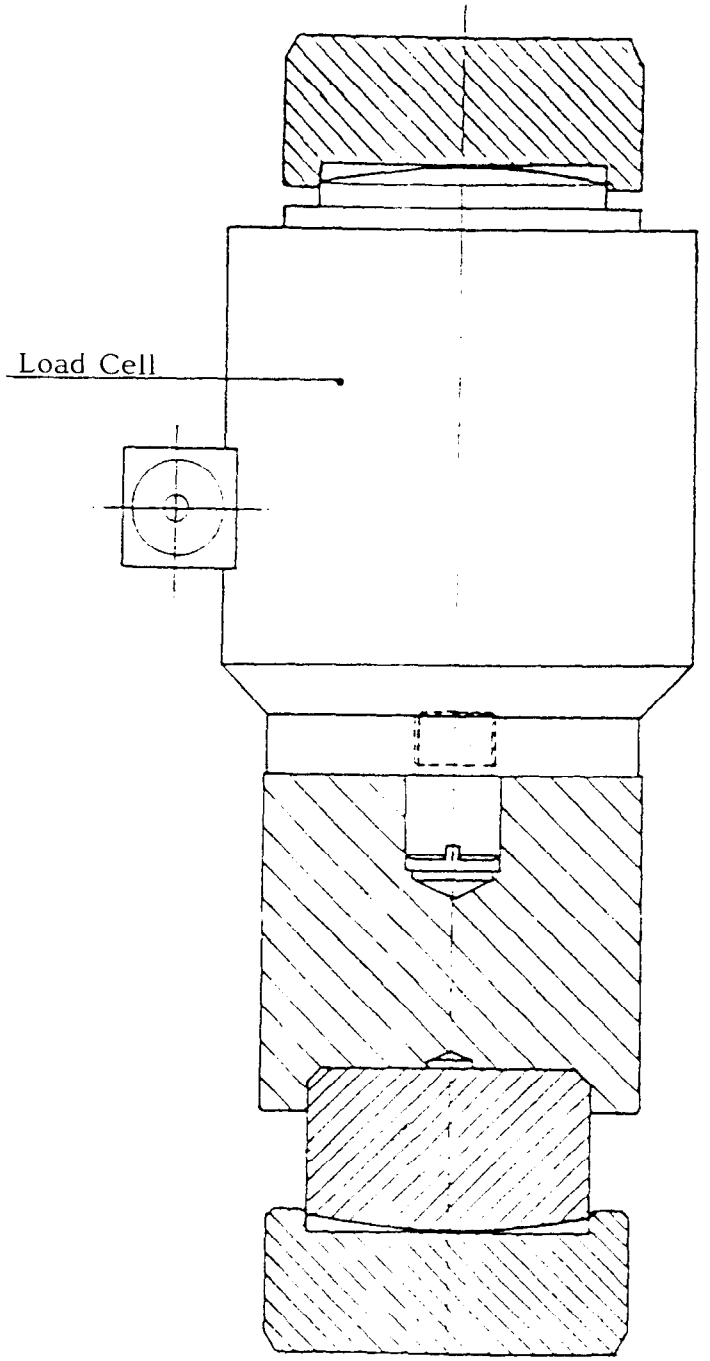
(b) In Technical Schedule No S204 dated 5/1/87, the second paragraph of clause 1. Description of Pattern (relating to the types of indicators to be used) is amended by removing the word "Avery".

FIGURE S204 - 1



Avery 8701 Load Cell

FIGURE S204 - 2



Method of Mounting