Australian Government
National Measurement Institute
Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S350
Change No 1

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

Sartorius PR6246/32C3 Load Cell

submitted by Sartorius Mechatronics T&H GmbH
(formerly Sartorius Hamburg GmbH)
Meiendorfer Strasse 205
D-22145 Hamburg Germany.

A. In Supplementary Certificate of Approval No S350 and its Technical Schedule both dated 3 November 2005, all references to the name of the submittor should be amended to read:

"Sartorius Mechatronics T&H GmbH"

B. In Supplementary Certificate of Approval No S350 dated 3 November 2005;

1. The Condition of Approval referring to the review of the approval should be amended to read:

"This approval becomes subject to review on 1 December 2015, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:

"Notification of Change No 1 dated 25 May 2011"

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

Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Supplementary Certificate of Approval

No S350

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

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

Sartorius Model PR6246/32C3 Load Cell

submitted by Sartorius Hamburg GmbH
Meiendorfer Strasse 205
22145 Hamburg
Germany.

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.

This Certificate is issued upon completion of a review of approval NSC S350.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 December 2010, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S350' and only by persons authorised by the submittor.

..../2

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S350' in addition 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 National Measurement Institute (NMI) 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 document NMI P 106.

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

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.

DESCRIPTIVE ADVICE

Pattern: approved 24 November 1997
re-approved 1 November 2005

- A Sartorius model PR6246/32C3 load cell of 300 kg maximum capacity.

Variant: approved 24 November 1997
re-approved 1 November 2005

1. Certain models of the PR6246 series as listed in Table 1.

Technical Schedule No S350 describes the pattern and variant 1.

FILING ADVICE

Supplementary Certificate of Approval No S350 dated 29 October 1999, and its Technical Schedule and Figures 1 and 2, are all superseded by the documentation attached herein, and may be destroyed. The documentation for this now approval comprises:

Supplementary Certificate of Approval No S350 dated 3 November 2005
Technical Schedule No S350 dated 3 November 2005 (incl. Table 1)
Figures 1 to 3 dated 3 November 2005

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

TECHNICAL SCHEDULE No S350

Pattern: Sartorius Model PR6246/32C3 Load Cell

Submittor: Sartorius Hamburg GmbH
Meiendorfer Strasse 205
22145 Hamburg Germany

1. Description of Pattern

A Sartorius model PR6246/32C3 load cell of 300 kg maximum capacity (Figure 1 and Table 1) approved for use in tension with up to 3000 verification intervals.

Note: The load cell may have either the cable entry arrangement shown in Figure 1, or the alternative (older) style cable entry as shown in Figures 2 and 3.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 3.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Sartorius, Germany
Model number	.....
Serial number	.....
Pattern approval mark	NMI S350
Maximum capacity E_{max}	..... kg

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Certain models and capacities of the PR6246 series as listed in Table 1.

TABLE 1

Type: Sartorius PR6246 Series, in models PR6246/## C3 where ## is the value listed below:

Model PR6246/## C3		22	32	52	13	23	33
Maximum capacity, *Emax*	kg	200	300	500	1000	2000	3000
Minimum value of verification interval *(vmin)* E_{max}/14000	kg	0.014	0.021	0.036	0.071	0.14	0.21
Minimum dead load output return value (DR) E_{max}/6000	kg	0.033	0.050	0.083	0.167	0.333	0.500

Characteristics common to all Sartorius PR6246 series load cells:

Accuracy class		C
Maximum number of verification intervals		3000
Output rating (nominal)	mV/V	2
Input impedance (nominal)	ohm	650
Supply voltage (AC or DC)	V	10 – 24
Cable length (±0.1 m)	m	5
Number of leads (plus shield)		4

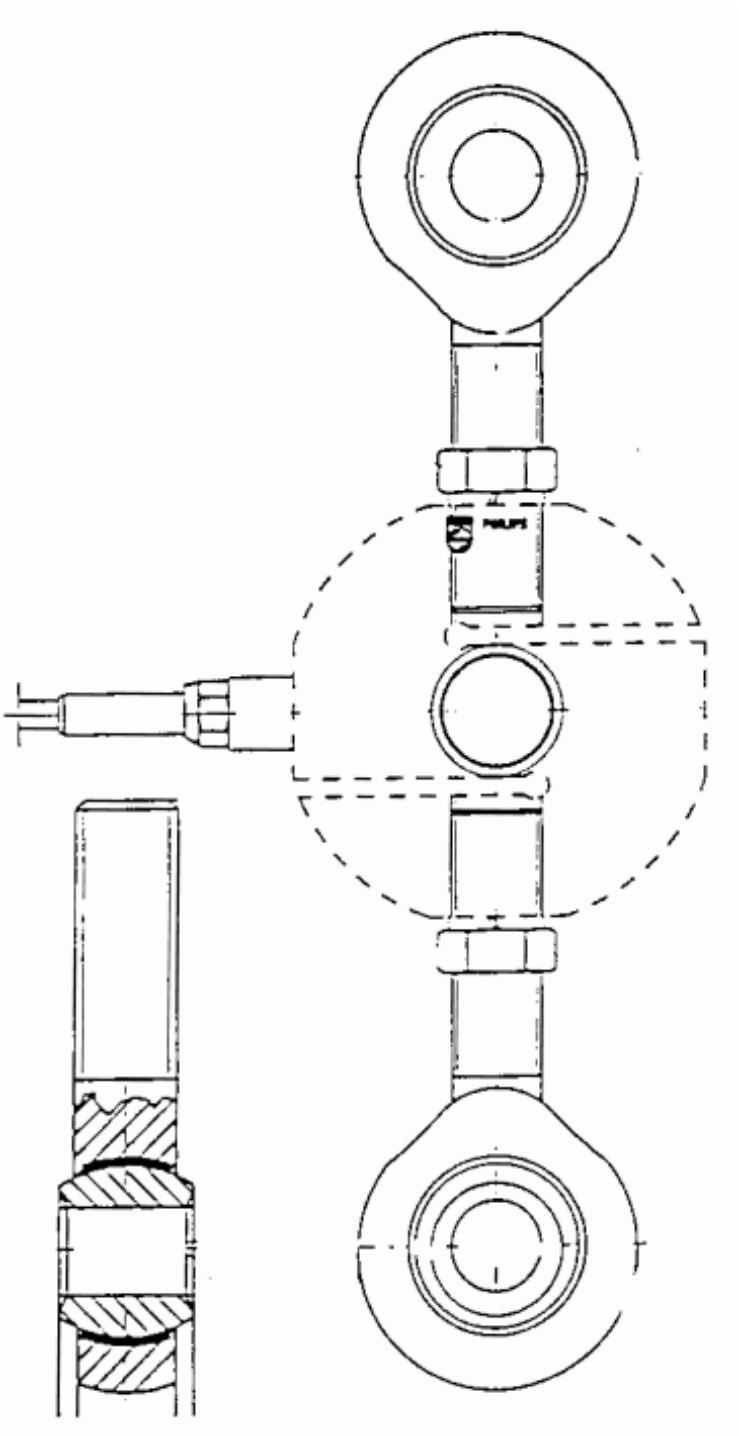
FIGURE S350 – 1

Sartorius Model PR6246/32 C3 Load Cell

FIGURE S350 – 2

Alternative Cable Entry Arrangement

FIGURE S350 – 3



Mounting Method