



**Australian Government**  
**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

# **Cancellation**

## **Supplementary Certificate of Approval No S425**

Issued by the Chief Metrologist 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

Revere Transducers Model ASC Load Cell

submitted by           Scale Components Pty Ltd  
                                  288 Musgrave Road  
                                  Coopers Plains    QLD    4108

has been cancelled in respect of new instruments as from 1 February 2011.

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

A handwritten signature in black ink, consisting of stylized cursive letters, positioned to the right of the signature text.



# Australian Government

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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

### Supplementary Certificate of Approval

### No S425

Issued 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  
  
Revere Transducers Model ASC Load Cell

submitted by Scale Components Pty Ltd  
288 Musgrave Road  
Coopers Plains QLD 4108.

**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 2008, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S425 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S425 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 NSC P 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 29 October 2003

- A Revere Transducers model ASC accuracy class C5 load cell of 30 000 kg maximum capacity.

**Variant:** approved 29 October 2003

1. Certain other capacities.

**Variant:** approved 6 February 2004

2. As accuracy class C3 and C4 load cells.

Technical Schedule No S425 describes the pattern and variants 1 & 2.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No S425 dated 29 April 2004  
Technical Schedule No S425 dated 29 April 2004 (incl. Tables 1 & 2)  
Figure 1 dated 29 April 2004

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.



TECHNICAL SCHEDULE No S425

**Pattern:** Revere Transducers Model ASC Load Cell

**Submittor:** Scale Components  
288 Musgrave Road  
Coopers Plains QLD 4108

## 1. Description of Pattern

A Revere Transducers model ASC accuracy class C5 load cell of 30 000 kg maximum capacity (Figure 1 and Tables 1 & 2) approved for use with up to 5000 verification intervals.

### 1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 1.

### 1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Revere Transducers Europe BV
Model number	.....
Serial number	.....
Pattern approval mark	NSC No S425
Maximum capacity $E_{max}$	..... kg

### 1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

## 2. Description of Variants

### 2.1 Variant 1

Certain other capacities of the ASC series as listed in Tables 1 & 2.

### 2.2 Variant 2

As accuracy class C3 and C4 load cells as listed in Tables 1 & 2.

TABLE 1 – Revere Transducers Europe BV ASC Series

Common characteristics:

Output rating (nominal)	2 mV/V
Input impedance (nominal)	700 ohm
Supply voltage (Max, AC or DC)	25 V
Cable length ( $\pm 0.1$ m) m	15 m (*)
Number of leads (plus shield)	4

(\*) Normal length is 15 m – alternative lengths may be provided in which case the length shall be marked on the load cell nameplate. The cable as supplied by the manufacturer shall not be shortened.

TABLE 2 – Revere Transducers Europe BV ASC Series

<b>Accuracy Classification C3 – Maximum number of verification intervals = 3000</b>						
Maximum capacity, Emax	kg:	30000	40000	50000	60000	100000
<b>Load cells marked:</b>		<b>ASC C3</b>				
Minimum value of verification interval, vmin	kg:	5.000	6.667	8.333	10.000	16.667
Minimum dead load output return value (DR)	kg:	5.000	6.667	8.333	10.000	16.667
<b>Load cells marked:</b>		<b>ASC C3 MR</b>				
Minimum value of verification interval, vmin	kg:	2.000	2.667	3.333	4.000	6.667
Minimum dead load output return value (DR)	kg:	5.000	6.667	8.333	10.000	16.667
<b>Load cells marked:</b>		<b>ASC C3 MI 7,5</b>				
Minimum value of verification interval, vmin	kg:	5.000	6.667	8.333	10.000	16.667
Minimum dead load output return value (DR)	kg:	2.000	2.667	3.333	4.000	6.667
<b>Accuracy Classification C4 – Maximum number of verification intervals = 4000</b>						
Maximum capacity, Emax	kg:	30000	40000	50000	60000	100000
<b>Load cells marked:</b>		<b>ASC C4</b>				
Minimum value of verification interval, vmin	kg:	3.750	5.000	6.250	7.500	12.500
Minimum dead load output return value (DR)	kg:	3.750	5.000	6.250	7.500	12.500
<b>Load cells marked:</b>		<b>ASC C4 MR</b>				
Minimum value of verification interval, vmin	kg:	1.875	2.500	3.125	3.750	6.250
Minimum dead load output return value (DR)	kg:	3.750	5.000	6.250	7.500	12.500
<b>Load cells marked:</b>		<b>ASC C4 MI 7,5</b>				
Minimum value of verification interval, vmin	kg:	3.750	5.000	6.250	7.500	12.500
Minimum dead load output return value (DR)	kg:	2.000	2.667	3.333	4.000	6.667
<b>Accuracy Classification C5 – Maximum number of verification intervals = 5000</b>						
Maximum capacity, Emax	kg:	30000	40000	50000	60000	100000
<b>Load cells marked:</b>		<b>ASC C5</b>				
Minimum value of verification interval, vmin	kg:	3.000	4.000	5.000	6.000	10.000
Minimum dead load output return value (DR)	kg:	3.000	4.000	5.000	6.000	10.000
<b>Load cells marked:</b>		<b>ASC C5 MR</b>				
Minimum value of verification interval, vmin	kg:	1.200	1.600	2.000	2.400	4.000
Minimum dead load output return value (DR)	kg:	3.000	4.000	5.000	6.000	10.000
<b>Load cells marked:</b>		<b>ASC C5 MI 7,5</b>				
Minimum value of verification interval, vmin	kg:	3.000	4.000	5.000	6.000	10.000
Minimum dead load output return value (DR)	kg:	2.000	2.667	3.333	4.000	6.667

FIGURE S425 – 1



Revere Transducers Model ASC Load Cell and Mounting