



National Standards Commission Supplementary Certificate of Approval No S368

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
Flintec Model RC3-30t-C4 Load Cell

submitted by Ultra Scales Pty Ltd
 33-35 Judge Street
 Sunshine VIC 3020.

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 * 2004, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S368 and only by persons authorised by the submittor.

TECHNICAL SCHEDULE No S368

Pattern: Flintec Model RC3-30t-C4 Load Cell.

Submittor: Ultra Scales Pty Ltd
33-35 Judge Street
Sunshine VIC 3020.

1. Description of Pattern

A Flintec model RC3-30t-C4 load cell of 30 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 4 000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 2 to *.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Flintec GmbH
Model number	RC3-*0t-C*
Serial number
Pattern approval mark	NSC No S368
Maximum capacity E_{max} kg

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Other models and capacities as listed in Tables 1 to 3.

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Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S368 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 *1999

€# A Flintec model RC3-301-C4 load cell of 30 000 kg maximum capacity.

Variant: approved * 1999

1. Other models and capacities as listed in Tables 1 to 3.

Technical Schedule No S368 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S368 dated draft 1999 Technical Schedule No S368 dated draft 1999 (incl. Tables 1 to 3) Figures 1 to * dated draft 1999

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.

Technical Schedule No S368

TABLE 1

Type: Flintec Model RC3-30-C4

Maximum capacity	kg	30000	30000	30000
Accuracy class	kg	C4	C3	C1
Maximum number of verification scale intervals		4000	3000	1000
Minimum value of verification	kg	2.3	2.3	6.0
Minimum dead load output return value (DR)	kg	3.0	3.0	7.8
Output rating (nominal)	mV/V	2	2	2
Input impedance (nominal)	T	1106	1106	1106
Supply voltage (AC or DC)	V	5-15	5-15	5-15
Cable length (± 0.1 m)	m	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)		4	4	4

TABLE 2

Type: Flintec Model RC3-40t-C4

Maximum capacity	kg	40000	40000	40000
Accuracy class	kg	C4	C3	C1
Maximum number of verification scale intervals		4000	3000	1000
Minimum value of verification	kg	3.1	3.1	8.0
Minimum dead load output return value (DR)	kg	4.0	4.0	10.4
Output rating (nominal)	mV/V	2	2	2
Input impedance (nominal)	T	1106	1106	1106
Supply voltage (AC or DC)	V	5-15	5-15	5-15
Cable length (± 0.1 m)	m	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)		4	4	4

Technical Schedule No S368

TABLE 3

Type: Flintec Model RC3-50t-C4

Maximum capacity	kg	50000	50000	50000
Accuracy class	kg	C4	C3	C1
Maximum number of verification scale intervals		4000	3000	1000
Minimum value of verification	kg	3.8	3.8	10.0
Minimum dead load output return value (DR)	kg	5.0	5.0	13.0
Output rating (nominal)	mV/V	2	2	2
Input impedance (nominal)	T	1106	1106	1106
Supply voltage (AC or DC)	V	5-15	5-15	5-15
Cable length (± 0.1 m)	m	12 or 20	12 or 20	12 or 20
Number of leads (plus shield)		4	4	4

ILLUSTRATIONS REQUIRED

All illustrations to be used in the Technical Schedule must comply with the requirements of Document 106, Approval and Certification Procedures for Measuring Instruments for Trade Use, as set out below. Failure to provide correct illustrations may result in delays and additional charges.

The submitter is to provide the following illustrations, as mentioned in the Technical Schedule:

Figure 1 Photo of a model RC3-301-C4 load cell.

Figures ? Photo's and/ or schematic diagrams showing all mounting methods.

Drawings: Two copies of each drawing shall be supplied (one with and one without labelling) and these shall:

- (a) be approximately 130 x 205 mm so that they may be printed without reduction or enlargement;
- (b) generally follow the principles set out in AS 1100 (1984), Technical Drawing, Parts 101 and 201;
- (c) consist of black lines on white paper, and be original drawings or high quality prints;
- (d) include only those details relevant to the approval;
- (e) not be dimensioned unless the Commission so directs; and
- (f) have one copy of the drawing clearly and unambiguously labelled so as to identify the major components of the instrument.

Photographs: Each photograph shall:

- (a) have the object of the photograph substantially filling a rectangle of not more than 130 x 205 mm and not less than 100 x 180 mm, so that they may be printed without reduction or enlargement;
- (b) be in sharp focus and of good contrast;
- (c) have a neutral or contrasting background; and
- (d) include only those details relevant to the approval.

Illustrations may be supplied as hard copy or on a 3.5" computer disc (or CD-ROM). Photographs should be in TIFF format; drawings should be in EPS format