

Supplementary Certificate of Approval

Bradfield Road, West Lindfield NSW 2070

NMI S695

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 instruments herein described.

Flintec Model RC3-30t-C3 Load Cell

submitted by Grainline

1 Hartog Place

Wagga Wagga NSW 2650

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 approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

This approval becomes subject to review on 1/07/20, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variant 1 approved – certificate issued	17/06/15

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S695' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S695' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

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 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.

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

Amanda Rawlinson

TECHNICAL SCHEDULE No S695

1. Description of Pattern

approved on 17/06/14

A Flintec model RC3-30t-C3 stainless steel compression load cell of 30 000 kg maximum capacity (Figure 1 and Table 1) and approved for use with up to 3000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 1 & 2.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full Model number kg (or t) Serial number Pattern approval mark Flintec GmbH kg (or t)

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

approved on 17/06/15

Certain other models of the Flintec RC3 series with capacities and other characteristics as listed in Table 1.

Type: Flintec RC3-#t-C3 series as listed below, where # in the model number represents the capacity (*Emax*) in tonnes, e.g. the pattern model RC3-30t-C3 is of 30 000 kg capacity.

TABLE 1 – Approved Models and Specifications

Model Number	#=30t	#=40t	#=50t	
E_{max} (kg)	30 000	40 000	50 000	
Class	С	С	С	
nLC	3000	3000	3000	
V _{min} (kg)	2	2.67	3.33	
DR (kg)	2.14	2.86	3.57	
mV/V	1.67 or 2			
Input imp (Ω)	1150			
Voltage (V)	15			
Cable length (m)	15			
Number of leads (plus shield)	4			

Where:

 E_{max} = Maximum capacity E_{min} = Minimum dead load nLC = Maximum number of verification intervals

 V_{min} = Minimum value of verification interval DR = Minimum dead load output return value

mV/V = Output rating (nominal)

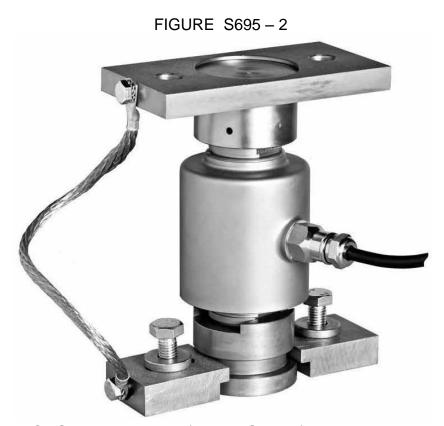
Input imp. = Input impedance (nominal)

Voltage = Maximum supply voltage (AC/DC)

FIGURE S695 - 1



Flintec Model RC3-30t-C3 Load Cell (The Pattern) – Standard Mounting



Flintec RC3 Series Alternative (Rocker System) Mounting Arrangement