### National Standards Commission



# Certificate of Approval No 6/9C/222

Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Chronos Richardson Model ELP/1 Platform Weighing Instrument

submitted by Chronos Richardson (Australia) Pty Ltd (formerly Contech Engineering)
65 Stephens Avenue
Torrensville SA 5031.

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

J. Birch

#### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/93. This approval expires in respect of new instruments on 1/10/94.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/222 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 drawings and specifications 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 values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

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

Instruments of not less than 1500 kg capacity as approved herein or with substitute load cells and/or indicator shall comply with General Certificate No 6B/0.

#### DESCRIPTIVE ADVICE

Pattern: approved 28/9/88

 A Chronos Richardson model ELP/1 platform weighing instrument of 1000 kg capacity. (also known as a Jirima)

Variant: approved 28/9/88

Of up to 1500 kg capacity.

Technical Schedule No 6/9C/222 describes the pattern and variant 1.

Variant: approved 27/11/89

2. Of 3000 kg capacity.

Technical Schedule No 6/9C/222 Variation No 1 describes variant 2.

#### FILING ADVICE

Certificate of Approval No 6/9C/222 dated 2/1/89 is superseded by this Certificate and may be destroyed.

#### Notification of Change

In Technical Schedule No 6/9C/222 dated 2/1/89, the following amendments should be made:

1. The submittor's name and address should now read;

"Chronos Richardson (Australia) Pty Ltd 65 Stephens Avenue Torrensville SA 5031."

2. The pattern should now read;

"A Chronos Richardson model ELP/1 platform weighing instrument (also known as a Jirima)..."

The documentation for this approval comprises:

Certificate of Approval No 6/9C/222 dated 15/6/90 Technical Schedule No 6/9C/222 dated 2/1/89 (Incl. Test Procedure) Technical Schedule No 6/9C/222 Variation No 1 dated 15/6/90 Figures 1 and 2 dated 2/1/89



#### NATIONAL STANDARDS COMMISSION

#### TECHNICAL SCHEDULE No 6/9C/222

Pattern:

Jirima Model ELP/1 Platform Weighing Instrument.

Submittor:

Contech Engineering 60 Richmond Road Keswich SA 5035.

#### Description of Pattern

Jirima model ELP/1 platform weighing instrument (Figure 1) of 1000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

#### 1.1 Basework

The model ELP/1 basework has load cells which fully support the load receptor (Figure 2). The basework is positioned above ground, with or without loading ramps, or let into a pit in which case the platform is level with the ground. If the instrument is not in a pit or permanently fixed in place, it shall be fitted with a level indicator, adjacent to which is the notice INSTRUMENT MUST BE LEVEL WHEN IN USE.

#### 1.2 Load Cell

Four Precision Transducers model LS1000 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S224.

#### 1.3 Indicator

A Gedge Systems model GS1650 digital indicator is used as described in the documentation of NSC approval No S193.

#### 1.4 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark

Serial number

NSC approval numbers - instrument NSC No 6/9C/222 load cells NSC No S..... Indicator NSC No S..... Accuracy class  $\bigcirc$ Maximum capacity Max.....kg \* Minimum capacity Min....kg \* Verification scale interval e = d = .....kg \*Maximum subtractive tare T = -....kg

These are repeated adjacent to each reading face.

#### 1.5 Verification Provision

Provision is made for a verification mark to be applied.

#### Technical Schedule No 6/9C/222

Page 2

#### Description of Variant 1

Of up to 1500 kg maximum capacity.

#### TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.



## National Standards Commission

#### TECHNICAL SCHEDULE No 6/9C/222

#### VARIATION No 1

Pattern:

Chronos Richardson Model ELP/1 Platform Weighing Instrument.

Submittor:

Chronos Richardson (Australia) Pty Ltd

(formerly Contech Engineering)

65 Stephens Avenue

Torrensville SA 5031.

#### 1. Description of Variant 2

A Chronos Richardson model ELP/1 platform weighing instrument of 3000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

#### **National Standards Commission**



# NOTIFICATION OF CHANGE CERTIFICATE OF APPROVAL No 6/9C/222 CHANGE No 1

The following changes are made to the approval documentation for the

Chronos Richardson Model ELP/1 Weighing Instrument

submitted by Chronos Richardson (Australia) Pty Ltd

65 Stephens Avenue Torrensville SA 5031.

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

J. Burk

In Certificate No 6/9C/222 and its Technical Schedule Variation No 1, both dated 15/6/90, and in the Technical Schedule dated 2/1/89, the name and address of the submittor should be changed to read:

Salter Weightronix Pty Ltd 1 Apollo Court Blackburn VIC 3130.

FIGURE 6/9C/222 - 1

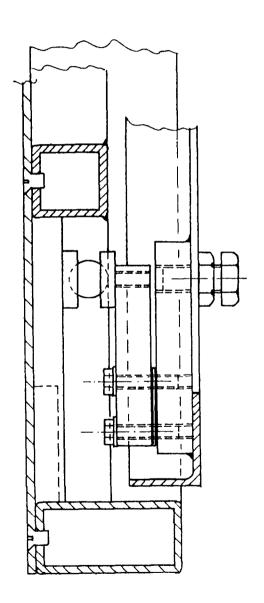


FIGURE 6/9C/222 - 2