

SCHEDULE

Variant: 1736.2

Current Date of Issue: 23 September 2008

Pattern:	Weighing Instrument
Make:	RINSTRUM
Model:	X320 digital mass indicator
Manufacturer:	Rinstrum Pty Ltd, Queensland, Australia
Submitter:	Sensortronic Scales Enterprises Ltd
Maximum Capacity (Max):	Various
Minimum Capacity:	20 e
Verification Scale Interval:	Various (n = 4000 max)
Class:	III
Tare:	-Max capacity (see Description)

Description:

VARIANT 2

The following variants are allowed on the model R320 indicator:

1. The model X320 digital mass indicator which has the same features and capabilities as the pattern model R320 indicator but in a waterproof 'food grade' plastic housing.

The model X320 uses type k304 version 3.xx software.

Power Supply

Power supply is provided through:

- mains supply (90 – 240 V AC);
- 12 – 24 V DC supplied by an AC/DC mains adaptor or other DC power source; or
- batteries (12 to 24 V DC) – typically a battery pack (alkaline, NiMH or NiCad).

Note: The AC/DC mains adaptor supplied was a FranMar model DSA-0151F-12 S switch mode power supply (output 12 V DC, 1.5 A) – for alternative power supply consult the submitter.

Under and Over Checking Facility

Instruments may be fitted with an UNDER/OK/OVER facility which is NOT approved for trade use.

2. Two weighing ranges: Certain other model indicators are configured to form part of a multiple range instrument (with two weighing ranges, n=4000 max per weighing range). The changeover between weighing ranges may be automatic or manual.

Apart from the multiple range function, the indicator has the same features and capabilities as described for the pattern except that it is not fitted with the linearisation correction facility.

To enable multiple range operation, the models R320 indicator now use type K305 version 3.xx software and the model X320 indicator now uses type K306 version 3.xx software.

TABLE 1 – Specifications (Applicable to all models)

Maximum number of verification scale intervals 4000 *

Minimum sensitivity 0.8 μ V/scale interval

Excitation voltage 5 V DC

Maximum excitation current 57.5 mA

* for multi range instrument – two weighing ranges, with 4000 scale intervals per weighing range.

ZERO SETTING DEVICE:

Zero is automatically corrected to within $\pm 0.25e$ whenever the instrument comes to rest within $0.5e$ of zero. The instrument has a semi-automatic zero-setting device (to set the instrument to within $\pm 0.25e$ of zero) with a nominal range of not more than 4% of the maximum capacity of the instrument. The instrument has an initial zero-setting device with a nominal range of not more than 20% of the maximum capacity of the instrument.

TARE SETTING DEVICES:

A semi-automatic subtractive taring device of up to the maximum capacity of the instrument may be fitted.

METROLOGICAL MARKINGS:

Instruments carry the following markings:
Manufacturer's mark, or name written in full Rinstrum #
Accuracy class:
Maximum capacity Max kg *
Minimum capacity Min kg *
Verification scale interval $e = \dots$ kg *
Maximum subtractive tare $T = - \dots$ kg ##
Serial number of the instrument
Pattern approval number for the indicator TMU/MCA 1736.2
Pattern approval mark for other components **

Instruments may also be known by alternative brands (makes) of the same model, e.g. Company Name model R320. The alternative name may be provided on the instrument facia as well as the model number, Pattern approval number and the logo of the manufacturer (Rinstrum) to enable identification of the instrument.

* These markings are also shown near the display of the result if they are not already located there.

This marking is required if T is not equal to Max.

** May be located separately from the other markings.

For instruments not greater than 100 kg capacity carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

For multiple range instruments

Markings shall be same as above, with the exception of that the maximum capacity, minimum capacity and verification scale interval for each range shall be marked, with an indication of the range to which they apply.

Components:	Rinstrum model X320 digital mass indicator
Sealing:	As detailed in Certificate 1736
Mark of Verification:	An adhesive destructible label or a lead and wire type seal used for sealing to prevent access to the calibration switch may take the Mark of Verification.

Rinstrum Model X320 Digital Indicator

