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31-12-90

S173
30/11/84

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S173

This is to certify that an approval has been granted by the Commission that the pattern and variant of the

Teraoka Seiko Model LCK-0500 Load Cell

submitted by J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

are suitable for use for trade, when used in a Commission-approved weighing instrument.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/7/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S173 in addition to the approval number of the instrument.

This approval may be withdrawn if load cells are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Special

The number of scale intervals applicable to any weighing instrument in which these load cells are used shall be no greater than the number of verification scale intervals approved for the basework, or the load cell(s), or the headwork, whichever is the smallest.

The load cells to be used shall be subject to regular certification by the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 7/6/84

. Teraoka Seiko model LCK-0500 load cell of 6 kg capacity.

Variant: approved 7/6/84

1. In various capacities as listed in Table 1.

Technical Schedule No S173 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S173 dated 30/11/84
Technical Schedule No S173 dated 30/11/84 (including Table 1)
Figure 1 dated 30/11/84.

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S173

Pattern: Teraoka Seiko Model LCK-0500 Load Cell

Submittor: J W Wedderburn & Sons Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

1. Description of Pattern

The pattern is a Teraoka Seiko model LCK-0500 load cell of 6 kg capacity (refer Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with the method shown in Figure 1, the mounting bracket shown to be bolted to the frame of the basework.

1.2 Marking

The following is the minimum data required to be marked on the load cell:

Manufacturer's name or mark
Model number
Serial number
Maximum capacity
Approval number NSC No S173

2. Description of Variant

In various capacities as listed in Table 1.

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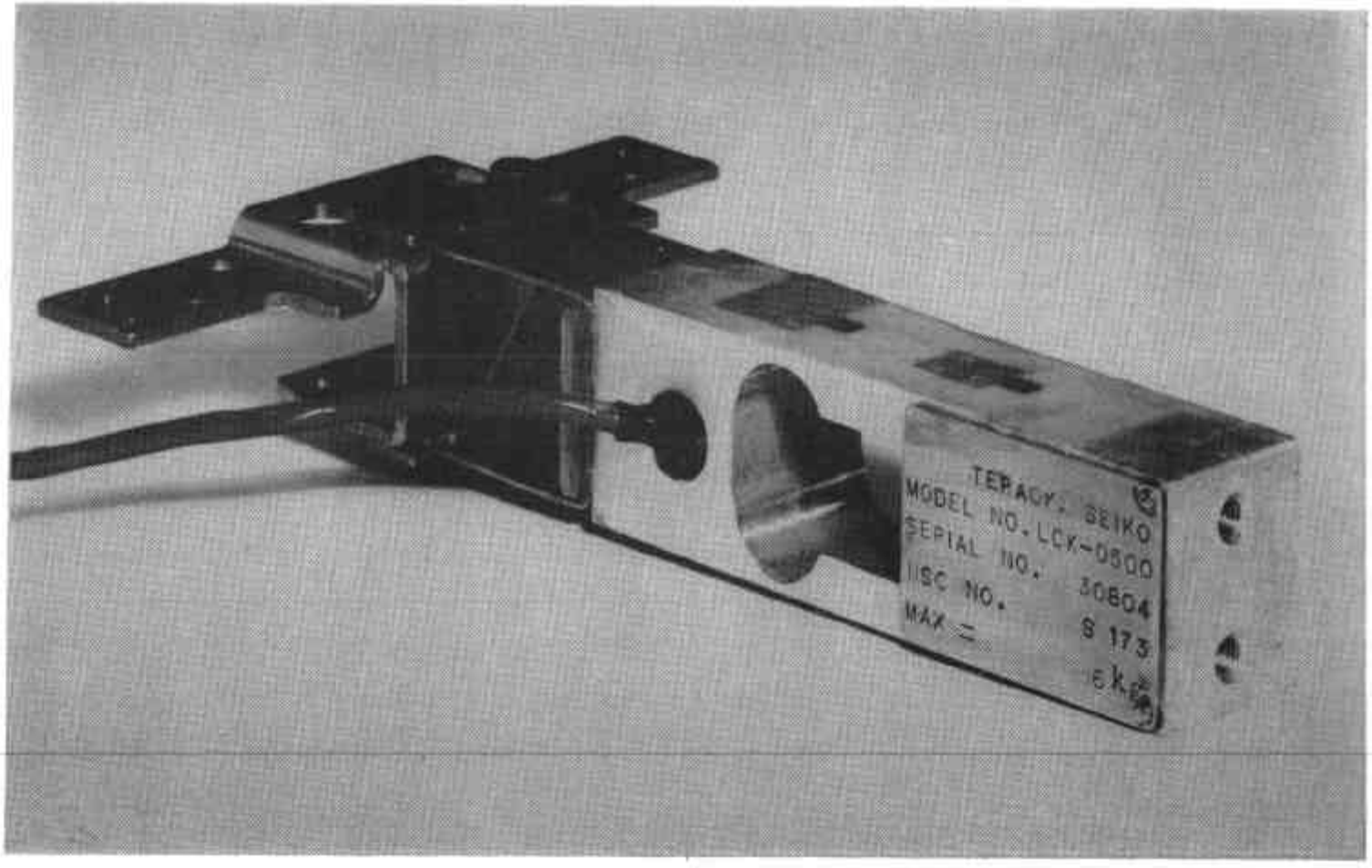
TABLE 1

Type: Teraoka Seiko	LCK-0050	LCK-0125	LCK-0250	LCK-0500	LCK-1250	LCK-2500
Maximum capacity	0.6 kg	1.25 kg	3 kg	6 kg	15 kg	30 kg
Maximum number of verification scale intervals	(a)*1500	1500	2500	2500	4500	6000
	(b)* 250	1000	2500	1000	1250	1250
Minimum dead load	0.03 kg	0.06 kg	0.15 kg	0.3 kg	0.75 kg	1.5 kg
Minimum value of verification scale interval	(a)*0.0002 kg	0.0005 kg	0.0005 kg	0.001 kg	0.001 kg	0.002 kg
	(b)*0.0010 kg	0.0010 kg	0.0010 kg	0.005 kg	0.010 kg	0.020 kg
Input impedance (nominal)	400 Ω	400 Ω	400 Ω	400 Ω	400 Ω	400 Ω
Output rating (nominal)	1 mV/V	1 mV/V	1 mV/V	1 mV/V	1 mV/V	1 mV/V
Supply voltage (AC or DC)	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V	10 to 15 V
Maximum cable length (±0.1 m)	2 m	2 m	2 m	2 m	2 m	2 m
Number of leads (plus shield)	4	4	4	4	4	4

Teraoka Seiko LCK Series Load Cells - Approved Capacities

* The values listed as (a) and (b) represent respectively the allowable values when using digital indicators, with and without automatic zero tracking.

FIGURE S173 - 1



Terooka LCK-0500 Load Cell