Australian Government
Department of Industry, Science, Energy and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S779

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.

Holi Scale Model AS130 Bending Beam Load Cell

submitted by National Weighing & Instruments Pty. Limited
1/88 Magowar Road
Girraween NSW 2145

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.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variants 1 to 2 approved – certificate issued	01/04/19
1	Variants 1 to 2 amended (additional capacity) – certificate issued	31/07/20

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S779' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S779' 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*.

Darryl Hines
Manager
Policy and Regulatory
Services

TECHNICAL SCHEDULE No S779

1. Description of Pattern **approved on 01/04/19**

A Holi Scale AS130 bending beam load cell of 2500 kg maximum capacity (Figure 1 and Table 1) and approved for use with up to 5000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 3.

1.2 Markings

Each load cell is marked with either of the following:

Manufacturer's mark, or name written in full	Holi Loadcell
Model number	……
Maximum capacity, E_{max}	…... kg (or t)
Serial number	……
Pattern approval mark	NMI S779

Manufacturer's mark, or name written in full	National Weighing Loadcell
Model number	……
Maximum capacity, E_{max}	…... kg (or t)
Serial number	……
Pattern approval mark	NMI S779

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1 **approved on 01/04/19 amended on 31/07/20**

Certain other capacities and characteristics of the Holi Scale AS130 series as listed in Table 1.

TABLE 1

Model Number	AS130	AS130	AS130	AS130	AS130
E_{max} (kg)	500	1000	1500	2000	2500
Class	C	C	C	C	C
nLC	5000	5000	5000	5000	5000
V_{min} (kg)	0.025	0.05	0.075	0.1	0.125
DR (kg)	0.042	0.083	0.125	0.167	0.208
mV/V	2	2	2	2	2
Input imp (Ω)	381	381	381	381	381
Voltage (V)	15	15	15	15	15
Cable length (m)	3	3	3	3	3
Number of leads (plus shield)	4	4	4	4	4

Where:

E_{max}	=	Maximum capacity
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)

3. Description of Variant 2

approved on 01/04/19
amended on 31/07/20

Certain capacities and characteristics of the Holi Scale SS130 series as listed in Figure 2 and Table 2.

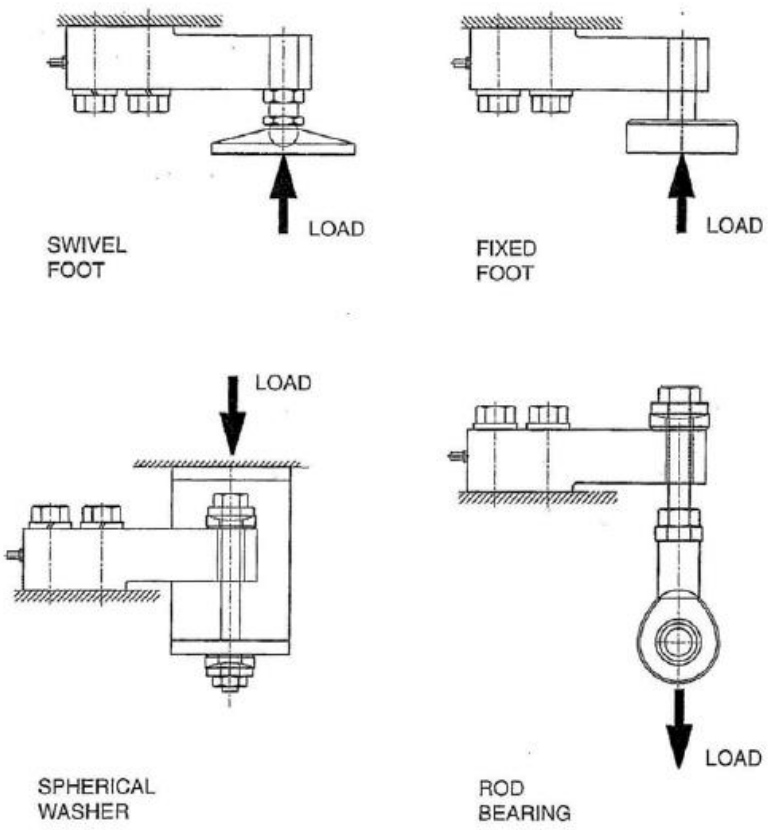
TABLE 2

Model Number	SS130	SS130	SS130	SS130	SS130
E_{max} (kg)	500	1000	1500	2000	2500
Class	C	C	C	C	C
nLC	4500	4500	4500	4500	4500
V_{min} (kg)	0.028	0.056	0.083	0.111	0.139
DR (kg)	0.042	0.083	0.125	0.167	0.208
mV/V	2	2	2	2	2
Input imp (Ω)	381	381	381	381	381
Voltage (V)	15	15	15	15	15
Cable length (m)	2.95	2.95	2.95	2.95	2.95
Number of leads (plus shield)	4	4	4	4	4

FIGURE S779 – 1

Holi Scale AS130 Series Load Cell

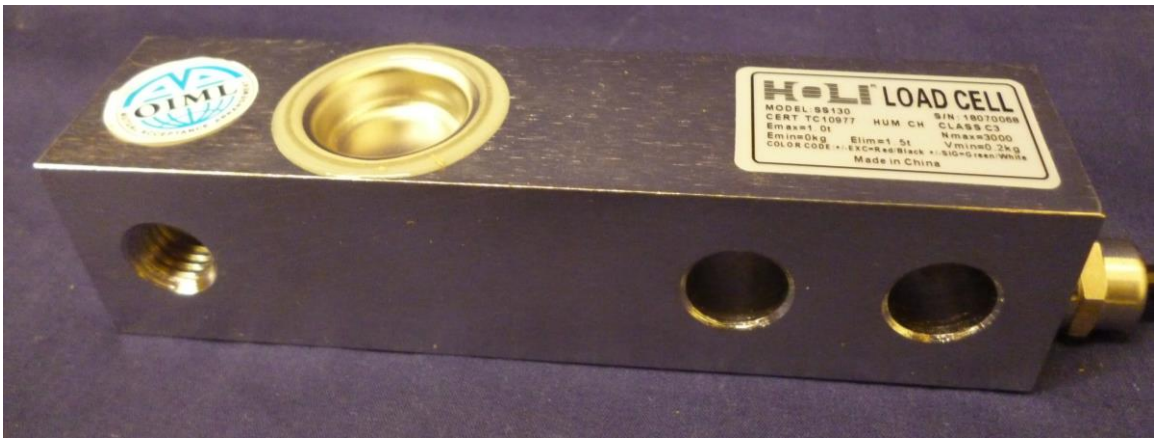
FIGURE S779 – 2



Mounting Methods

Typical Mounting Arrangement

Figure S779 - 3



Holi Scale SS130 Series Load Cell

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