



Australian Government  
Department of Industry, Science,  
Energy and Resources

**National  
Measurement  
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval**

**NMI S802**

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.

Mettler Toledo Model SLC611 Compression Load Cell

submitted by           Mettler Toledo Limited  
                                  Unit 3, 220 Turner St  
                                  Port Melbourne     VIC   3207

**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 is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variant 1 approved – certificate issued	14/01/21

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S802' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S802' 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 S802

**1. Description of Pattern** **approved on 14/01/21**

A Mettler Toledo model SLC611 stainless steel compression load cell of 7500 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 Figure 2.

**1.2 Markings**

Each load cell is marked with either of the following:

Manufacturer's mark, or name written in full	Mettler Toledo
Model number	.....
Maximum capacity, $E_{max}$	..... kg (or t)
Serial number	.....
Pattern approval mark	NMI S802

**1.3 Table of Specifications**

Specifications for the pattern are given in Table 1.

**2. Description of Variant 1** **approved on 14/01/21**

Certain other capacities and characteristics of the Mettler Toledo SLC611 series as listed in Table 1.

TABLE 1

Model Number	SLC611	SLC611	SLC611	SLC611
$E_{max}$ (kg)	5000	7500	15 000	22 500
$E_{min}$ (kg)	0	0	0	0
Class	C	C	C	C
nLC	3000	3000	3000	3000
$V_{min}$ (kg)	0.263	0.395	0.789	1.184
DR (kg)	0.833	1.25	2.5	3.75
mV/V	2	2	2	2
Input imp ( $\Omega$ )	1150	1150	1150	1150
Voltage (V)	20	20	20	20
Cable length (m)	12	12	12	12
Number of leads (plus shield)	4	4	4	4

Where:

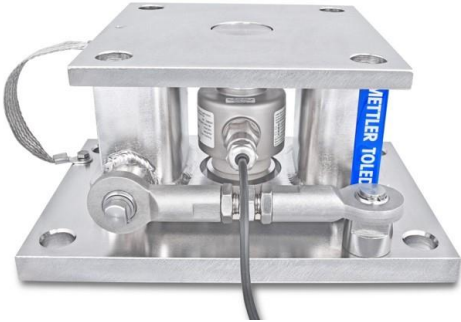
$E_{max}$	=	Maximum capacity
$E_{min}$	=	Minimum dead load
nLC	=	Maximum number of verification intervals
$V_{min}$	=	Minimum value of verification interval
DR	=	Minimum dead load output return value
mV/V	=	Output rating (nominal)
Input imp.	=	Input impedance (nominal)
Voltage	=	Maximum supply voltage (AC/DC)

FIGURE S802 – 1



Mettler Toledo Model SLC611 Series Load Cell

FIGURE S802 – 2



Typical Mounting Arrangements

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