



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

NMI S772

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 SLC720 Digital 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 becomes subject to review on 1/01/24, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern and variant 1 approved – certificate issued	7/12/18

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S772' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S772' in addition to the approval number of the instrument, and only by persons authorised by the submitter.

It is the submitter'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
Pattern Approval, Policy and
Licensing Section

TECHNICAL SCHEDULE No S772

1. Description of Pattern **approved on 7/12/18**

A Mettler Toledo model SLC720, also known as GDD, digital load cell of 30 000 kg maximum capacity (Figure 1 and Table 1) and approved for use with up to 3000 verification scale intervals.

These load cells shall only be used with indicators which are NMI approved for use with compatible Mettler Toledo digital load cells.

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 the following:

Manufacturer's mark, or name written in full	Mettler Toledo
Model number	SLC720
Maximum capacity, E_{max} kg (or t)
Serial number
Pattern approval mark	NMI S772

1.3 Tables of Specifications

Specifications for the pattern are given below and in Table 1.

2. Description of Variant 1 **approved on 7/12/18**

Certain other capacities as listed in Table 1.

TABLE 1

Maximum capacity, E_{max} (kg)	20 000	30 000	50 000
Minimum dead load, (kg)	50	50	50
Accuracy class	C	C	C
Maximum number of verification Intervals, n_{LC}	3000	3000	3000
Minimum value of verification interval, V_{min} (kg)	3.3	4.7	5.7
Minimum dead load output return value (DR) (kg)	3.3	5	8.3
Output rating (resolution) counts at E_{max}	200 000	300 000	500 000
Fraction of maximum permissible error, p_{LC}	0.8	0.8	0.8
Supply voltage (DC) (V)	12 - 24		
Cable length (± 0.1 m) (m)	up to 150 m (*)		
Communication	CAN - Encrypted		
Digital indicator	Mettler Toledo Model IND246PDX indicator with a PDX interface card		

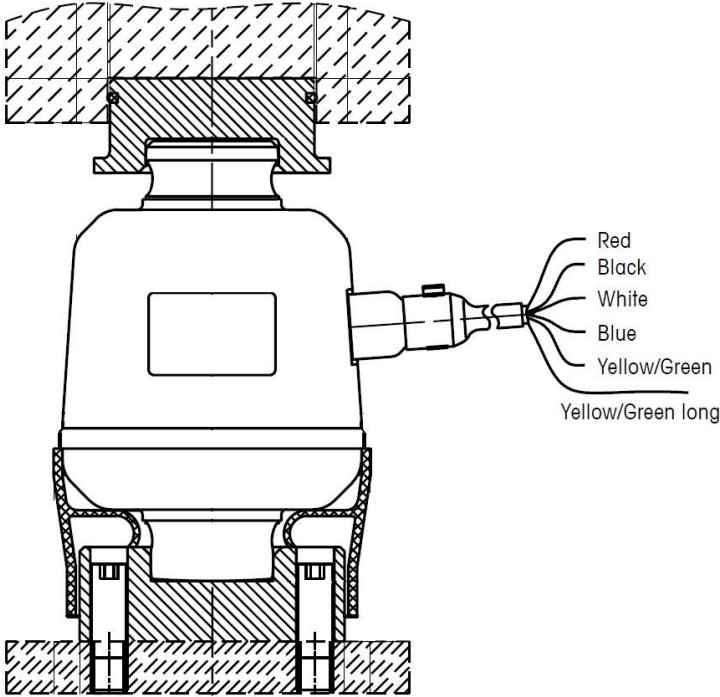
(*) The load cells are connected to a junction box and then to the indicator. These cables may be up to 150 metres in length.

FIGURE S772 – 1



Mettler Toledo Model SLC720 Load Cell

FIGURE S772 – 2



Mounting Arrangement

~ End of Document ~