Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

No S615

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.

Precia-Molen Model ASL X970-C Digital Load Cell

submitted by   Precia SA
                      BP 106
                      07000   Privas
                      FRANCE

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 1/06/18, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	24/05/13

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S615' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S615' 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*.

Dr A Rawlinson

TECHNICAL SCHEDULE No S615

1.   Description of Pattern   approved on 24/05/13

A Precia-Molen model ASL X970-C digital load cell of 30 000 kg maximum capacity (Figure 1 and Table 1) and approved for use with up to 3500 verification scale intervals.

These load cells shall only be used with indicators which are NMI-approved for use with compatible Precia Molen 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	Precia-Molen France
Model number	ASL X970-C
Maximum capacity, E_{max}	..…... kg (or t)
Serial number	..…...
Pattern approval mark	NMI S615

1.3   Table of Specifications

Specifications for the pattern are given in Table 1.

2.   Description of Variant 1   approved on 24/05/13

Certain other capacities of the Precia-Molen model ASL X970-C load cell with characteristics as listed below in Table 1.

TABLE 1

Precia-Molen Model ASL X970-C Load Cell

Maximum capacity, E_{max}	kg	30 000	50 000
Accuracy class - Classification		C3.5	C3.5
Maximum number of verification intervals		3500	3500
Minimum value of verification interval, V_{min}	kg	4	7.17
Minimum dead load output return value (DR)	kg	3	5
Output rating (resolution) counts at E_{max}		30 000	50 000
Supply voltage (DC)	V	8 - 28	
Cable length (±0.1 m)	m	up to 300 m (*)	
Communication		PMnet / 4-wire	
Apportionment factor, PLC		0.8	

(*)   The load cells are connected to a model X241-PMNet transmitter and then to the indicator. These cables may be up to 300 metres in length.
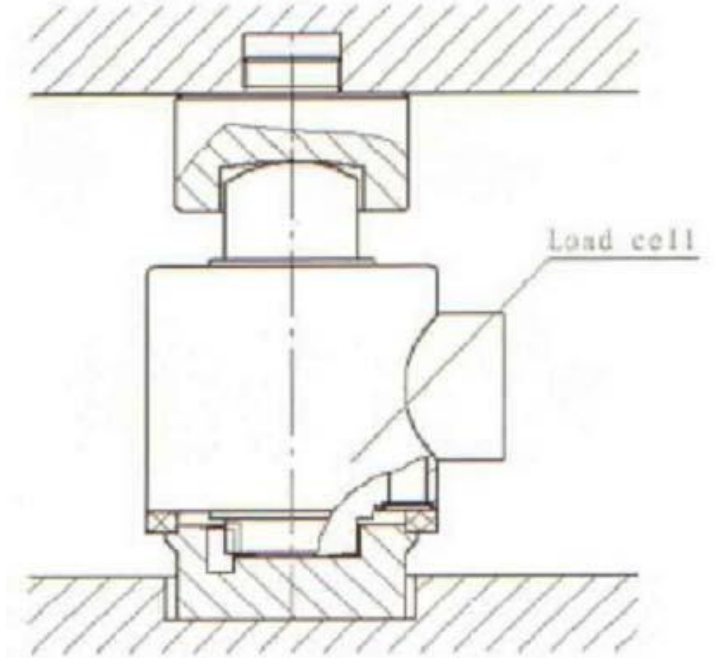
Note: These load cells shall only be used with indicators which are NMI-approved for use with compatible Precia Molen digital load cells.

FIGURE S615 – 1

Precia-Molen Model ASL X970-C Digital Load Cell

FIGURE S615 – 2

Typical Mounting Method

~ End of Document ~