



Certificate of Compliance

Certificate: 80154827

Master Contract: 300754

Project: 80154827

Date Issued: 2023-09-08

Issued To: Shanghai LEEG Instruments Co., Ltd.
No.99 Duhui Road,
Minhang District, Shanghai, 201109
China

Attention: Zeming Chai

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Morton Ma
Morton Ma



PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups A, B, C and D T6

Class II, Division 1, Groups E, F and G T80°C

Class III

SMP 131 series pressure transmitter with operating voltage is 12 ~ 30VDC, 9 ~ 55VDC, 10.5 ~ 55VDC, 16.5 ~ 55VDC, 3 ~ 5.5VDC or 3.6 ~ 5.5VDC. Output signal 4 ~ 20mA, 0.5 ~ 4.5VDC, 1 ~ 5VDC, 0.7 ~ 3.5VDC or HART etc., $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$, maximum process temperature is 80°C, IP66/67.

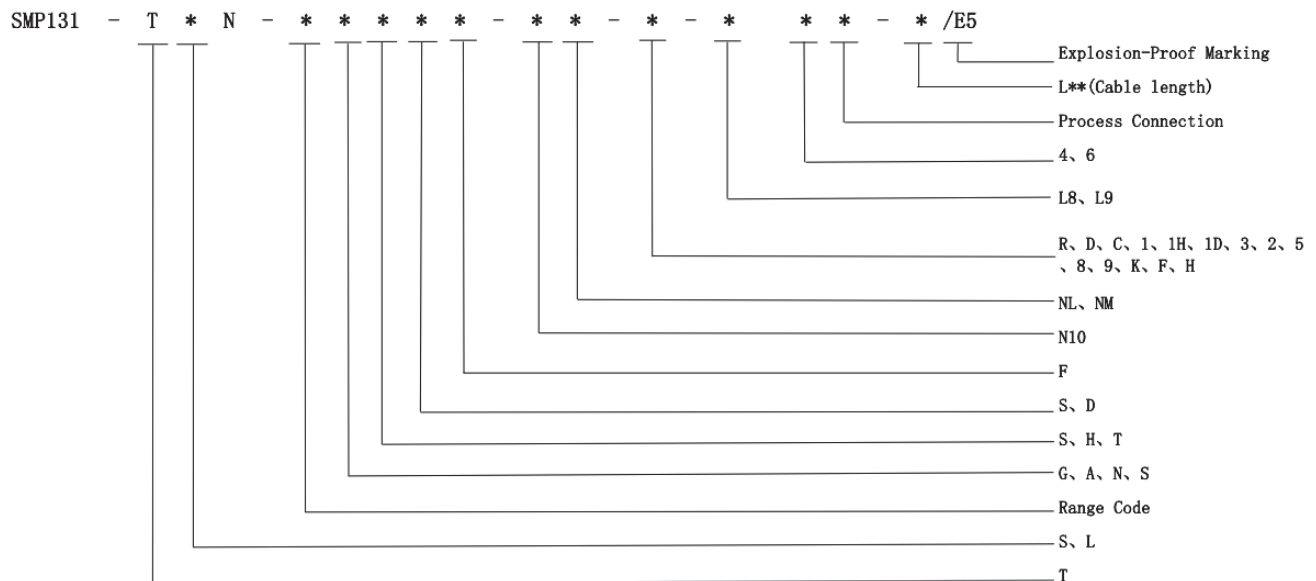
Note: Refer to the description section of the report for input/output parameter of SMP 131 Series pressure transmitter.



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Designation of the model number SMP 131 series pressure transmitter is as follows:



Note: Reference to SMP131 pressure transmitter model chart for details.

CONDITIONS OF ACCEPTABILITY

- The equipment shall be powered by an approved power supply unit with a limited energy and max. 55Vdc output.
- Equipment has only been tested for electrical safety. No evaluation of functional safety and performance characteristics have been performed.
- Equipment is only to be installed by trained personal in accordance with the installation, set-up, operation and maintenance of comparable devices and certified as being capable of such work.
- IP classification was not part of investigation; EUT is treated as ordinary device in this report.
- Only transmitter was evaluated this time, the process medium pipeline was not evaluated.
- Field wiring must utilize wiring methods suitable for Class I, Division 1 Hazardous Locations in accordance with the Canadian Electrical Code or National Electrical Code as applicable. The wiring methods also shall consider suitable ingress protection for final electrical installation.
- The branch point and entry point's temperature is 65.05°C depending on the process temperature 80°C . The end user shall select the suitable certified cable, conduit fittings and stopping plug for final installation. Use conductors rated at least 5°C above the maximum operating ambient.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CSA C22.2 No. 25-17	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
CSA C22.2 No. 30-20	Explosion-proof enclosures for use in class I hazardous locations
CAN/CSA C22.2 No. 213-17+ UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021)	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Division 1 and 2 hazardous (classified) locations
UL 61010-1 (3rd Edition), AMD1: 2018	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
FM 3600:2022	Approval Standard for Electrical Equipment for Use in Hazardous (Classified) Locations - General Requirements
FM 3611:2021	Approval Standard for Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
FM 3615:2022	Examination Standard for Explosionproof Electrical Equipment – General Requirements
FM 3616:2022	Approval Standard for Dust-Ignitionproof Electrical Equipment General Requirements

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings are provided on a UL Recognized to Canadian requirements (PGJI8) and UL Recognized (PGJI2) adhesive nameplate, manufactured by AVERY DENNISON (CHINA) CO LTD, designated type 2 Mil matte white PET TC/S333 < used with listed thermal transfer ribbon in MH20558 >, and is suitable for indoor and



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outdoor use on surface of stainless steel, at a maximum service temperature of 150°C and minimum service temperature -40°C. Nameplate is affixed to the surface or pressure sensor housing.

- Manufacturer's registered trademark: "LEEG", CSA Master Contract Number "300754", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation, as specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: as specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month and year of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, with or without the "C" and "US" indicators, as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section, above. The word "Class" may be abbreviated "CL", the word "Division" may be abbreviated "DIV", and the word "Groups" may be abbreviated "GRP" or "GP".
- Method of Protection markings (Ex – markings): As specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- Terminal Designations adjacent to each field wiring terminal.
- The manufacturing location is identified if the equipment can be produced in more than one facility.
- The following warning:
 - CAUTION – THE CABLE AND CABLE BRANCH TEMPERATURE IS IN USER MANUAL.
 - AVERTISSEMENT – LA TEMPÉRATURE DE LA BRANCHE DE CÂBLE ET DE CÂBLE EST DANS LE MANUEL D'UTILISATION.
 - CAUTION – SEAL NOT REQUIRED.
 - AVERTISSEMENT – SCEAU NON REQUIS.

Notes:

Products certified under Class C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

