



QPS Evaluation Services Inc
Testing, Certification and Field Evaluation Body
Accredited in Canada, the USA, and Internationally

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File
LR1624

CERTIFICATE OF COMPLIANCE
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	Pioneer Petrotech Services Inc.
Address	1437 – 47 Ave. NE, Unit 105 Calgary, AB T2E 6N7
Project Number	LR1624-1R2
Product	Intrinsically Safe Battery-Operated Wireless Sensor
Model Number	PPS33LR-WS-P and PPS33LR -WS-T - Refer to Annex A below.
Electrical Ratings	Battery-operated using one SAFT LS33600 rated 3.6Vdc, 17Ah
Markings	Ex ia IIB T4 Ga Class I, Zone 0, AEx ia IIB T4 Ga I.S. Class I, Division 1, Groups CD, T4 -40°C ≤ Ta ≤ 60°C
Applicable Standards	CAN/CSA 60079-0:19 CAN/CSA 60079-11:14 UL/ANSI 60079-0 Ed. 7 UL/ANSI 60079-11 Ed. 6 CAN/CSA /UL 61010-1-12 (As a Guide)
Factory/Manufacturing Location	Pioneer Petrotech Services Inc. 1437 – 47 Ave. NE, Unit 105, Calgary, AB T2E 6N7
Conditions of Certification	Battery is to be replaced in non-hazardous location and by trained personnel only. The Engineering Port is for use in a non-hazardous location/ de-classified area only.

Statement of Compliance: The product(s)/equipment identified in this Certificate and described in the Certification Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.

IMPORTANT NOTE: In order to maintain the integrity of the QPS Mark(s), certification will be revoked if:

- (1) Compliance to the above-mentioned Standard(s), or those identified in future QPS Standard Update Notice – SUN (QSD 55) is not maintained, or,
- (2) If the product/equipment is modified after certification is granted without prior written consent by QPS



Issued By: Rob Kohuch, P. Eng.

Signature:

Date: July 14, 2023



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Annex A

Intrinsically Safe Battery-Operated Wireless Sensor - Model Number Nomenclature

<u>Model</u>	<u>P/N</u>	<u>Description</u>
PPS33LR-WS-P	14-33-3059	Pressure Sensor, 6K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3060	Pressure Sensor, 10K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3061	Pressure Sensor, 15K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3062	Pressure & Temp. Sensor, 6K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3063	Pressure & Temp. Sensor, 10K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3064	Pressure & Temp. Sensor, 15K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3082	Pressure Sensor, 3K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-3085	Pressure & Temp. Sensor, 3K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5500	Welded Pressure Sensor, 6K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5501	Welded Pressure Sensor, 10K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5502	Welded Pressure Sensor, 15K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5503	Welded Pressure Sensor, 20K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5504	Welded Pressure Sensor, 25K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5505	Welded Pressure Sensor, 30K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5506	Welded Pressure & Temp. Sensor, 6K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5507	Welded Pressure & Temp. Sensor, 10K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5508	Welded Pressure & Temp. Sensor, 15K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5509	Welded Pressure & Temp. Sensor, 20K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5510	Welded Pressure & Temp. Sensor, 25K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5511	Welded Pressure & Temp. Sensor, 30K, 80C/176F, Whip Antenna
PPS33LR-WS-P	14-33-5512	Welded Pressure Sensor, 6K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5513	Welded Pressure Sensor, 10K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5514	Welded Pressure Sensor, 15K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5515	Welded Pressure Sensor, 20K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5516	Welded Pressure Sensor, 25K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5517	Welded Pressure Sensor, 30K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5518	Welded Pressure & Temp. Sensor, 6K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5519	Welded Pressure & Temp. Sensor, 10K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5520	Welded Pressure & Temp. Sensor, 15K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5521	Welded Pressure & Temp. Sensor, 20K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5522	Welded Pressure & Temp. Sensor, 25K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5523	Welded Pressure & Temp. Sensor, 30K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5524	Pressure Sensor, 3K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5525	Pressure Sensor, 6K, 80C/176F, Dome Antenna



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<u>Model</u>	<u>P/N</u>	<u>Description</u>
PPS33LR-WS-P	14-33-5526	Pressure Sensor, 10K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5527	Pressure Sensor, 15K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5528	Pressure Sensor, 20K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5529	Pressure & Temp. Sensor, 3K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5530	Pressure & Temp. Sensor, 6K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5531	Pressure & Temp. Sensor, 10K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5532	Pressure & Temp. Sensor, 15K, 80C/176F, Dome Antenna
PPS33LR-WS-P	14-33-5533	Pressure & Temp. Sensor, 20K, 80C/176F, Dome Antenna
PPS33LR-WS-T	14-33-3065	Temp. Sensor, 100 Deg. C RTD Sensor, Whip Antenna
PPS33LR-WS-T	14-33-5534	Temp. Sensor, 100 Deg. C RTD Sensor, Dome Antenna