



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

**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	LR1624-2R1	
Product	Intrinsically Safe Battery-Operated Well Head Pressure Logger	
Model Number	PPS31 - Refer to Appendix A below for part numbers.	
Electrical Ratings	Battery-operated using 2 x D-size Tadiran TL2300 Lithium (PPS P/N 01-AC-1120-A) each rated 3.6Vdc/17Ah, connected in parallel.	
Markings	Class I, Division 1, Groups A, B, C and D T4 Ex ia IIC T4; Class I, Zone 0 AEx ia IIC T4 -40°C ≤ Ta ≤ +55°C	
Applicable Standards	CSA C22.2 No. 142-M1987 CSA C22.2 No. 157-M1992 CAN/CSA E60079-0:02 CAN/CSA E60079-11:02	UL 508 Seventeenth Ed. UL 913 Sixth Ed. UL 60079-0 Fourth Ed. UL 60079-11 First Ed.
Factory/Manufacturing Location	Pioneer Petrotech Services Inc. 1437 – 47 Ave. NE, Unit 105, Calgary, AB T2E 6N7	
Conditions of Certification	1- Battery is to be replaced in non-hazardous location and by trained personnel only; 2- The Engineering Port is for use in a non-hazardous location/ de-classified area only; and 3- Use only Tadiran P/N TL2300, rated 3.6V nominal.	

**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: *Rob Kohuch*

Date: July 14, 2023





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**Appendix A**

**Intrinsically Safe Battery-Operated Wireless Sensor Model PPS31 (surface logger) - Part Numbers**

Item	Part Numbers	Pressure Option	Memory Option	Gauge Housing Material Options	Temp.	Housing OD
1-	09-31-0010-A1	1.5k	1M	SS17-4	80C/176F	1.25"
2-	09-31-0010-A2	1.5k	1M	SS17-4	80C/176F	1.25"
3-	09-31-0011-A1	3k	1M	SS17-4	80C/176F	1.25"
4-	09-31-0011-A2	3k	1M	SS17-4	80C/176F	1.25"
5-	09-31-0012-A1	6k	1M	SS17-4	80C/176F	1.25"
6-	09-31-0012-A2	6k	1M	SS17-4	80C/176F	1.25"
7-	09-31-0013-A1	10k	1M	SS17-4	80C/176F	1.25"
8-	09-31-0013-A2	10k	1M	SS17-4	80C/176F	1.25"
9-	09-31-0014-A1	15k	1M	SS17-4	80C/176F	1.25"
10-	09-31-0014-A2	15k	1M	SS17-4	80C/176F	1.25"
11-	09-31-0015-A1	1.5k	1M	SS316L	80C/176F	1.25"
12-	09-31-0015-A2	1.5k	1M	SS316L	80C/176F	1.25"
13-	09-31-0016-A1	3k	1M	SS316L	80C/176F	1.25"
14-	09-31-0016-A2	3k	1M	SS316L	80C/176F	1.25"
15-	09-31-0017-A1	6k	1M	SS316L	80C/176F	1.25"
16-	09-31-0017-A2	6k	1M	SS316L	80C/176F	1.25"
17-	09-31-0018-A1	10k	1M	SS316L	80C/176F	1.25"
18-	09-31-0018-A2	10k	1M	SS316L	80C/176F	1.25"
19-	09-31-0019-A1	15k	1M	SS316L	80C/176F	1.25"
20-	09-31-0019-A2	15k	1M	SS316L	80C/176F	1.25"
21-	09-31-0020-A1	1.5k	2M	SS17-4	80C/176F	1.25"
22-	09-31-0020-A2	1.5k	2M	SS17-4	80C/176F	1.25"
23-	09-31-0021-A1	3k	2M	SS17-4	80C/176F	1.25"
24-	09-31-0021-A2	3k	2M	SS17-4	80C/176F	1.25"
25-	09-31-0022-A1	6k	2M	SS17-4	80C/176F	1.25"
26-	09-31-0022-A2	6k	2M	SS17-4	80C/176F	1.25"
27-	09-31-0023-A1	10k	2M	SS17-4	80C/176F	1.25"
28-	09-31-0023-A2	10k	2M	SS17-4	80C/176F	1.25"
29-	09-31-0024-A1	15k	2M	SS17-4	80C/176F	1.25"
30-	09-31-0024-A2	15k	2M	SS17-4	80C/176F	1.25"
31-	09-31-0025-A1	1.5k	2M	SS316L	80C/176F	1.25"
32-	09-31-0025-A2	1.5k	2M	SS316L	80C/176F	1.25"
33-	09-31-0026-A1	3k	2M	SS316L	80C/176F	1.25"
34-	09-31-0026-A2	3k	2M	SS316L	80C/176F	1.25"
35-	09-31-0027-A1	6k	2M	SS316L	80C/176F	1.25"
36-	09-31-0027-A2	6k	2M	SS316L	80C/176F	1.25"
37-	09-31-0028-A1	10k	2M	SS316L	80C/176F	1.25"
38-	09-31-0028-A2	10k	2M	SS316L	80C/176F	1.25"
39-	09-31-0029-A1	15k	2M	SS316L	80C/176F	1.25"
40-	09-31-0029-A2	15k	2M	SS316L	80C/176F	1.25"
41-	09-31-0030-A1	1.5k	4M	SS17-4	80C/176F	1.25"
42-	09-31-0030-A2	1.5k	4M	SS17-4	80C/176F	1.25"
43-	09-31-0031-A1	3k	4M	SS17-4	80C/176F	1.25"
44-	09-31-0031-A2	3k	4M	SS17-4	80C/176F	1.25"
45-	09-31-0032-A1	6k	4M	SS17-4	80C/176F	1.25"
46-	09-31-0032-A2	6k	4M	SS17-4	80C/176F	1.25"
47-	09-31-0033-A1	10k	4M	SS17-4	80C/176F	1.25"
48-	09-31-0033-A2	10k	4M	SS17-4	80C/176F	1.25"
49-	09-31-0034-A1	15k	4M	SS17-4	80C/176F	1.25"
50-	09-31-0034-A2	15k	4M	SS17-4	80C/176F	1.25"
51-	09-31-0035-A1	1.5k	4M	SS316L	80C/176F	1.25"
52-	09-31-0035-A2	1.5k	4M	SS316L	80C/176F	1.25"

The SCC and IAS Accreditation Symbols are official symbols of the respective accreditation bodies, used under license.

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QSD 34HL



Rev 01



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53-	09-31-0036-A1	3k	4M	SS316L	80C/176F	1.25"
54-	09-31-0036-A2	3k	4M	SS316L	80C/176F	1.25"
55-	09-31-0037-A1	6k	4M	SS316L	80C/176F	1.25"
56-	09-31-0037-A2	6k	4M	SS316L	80C/176F	1.25"
57-	09-31-0038-A1	10k	4M	SS316L	80C/176F	1.25"
58-	09-31-0038-A2	10k	4M	SS316L	80C/176F	1.25"
59-	09-31-0039-A1	15k	4M	SS316L	80C/176F	1.25"
60-	09-31-0039-A2	15k	4M	SS316L	80C/176F	1.25"



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