

February 12, 2019

Attention: Scott Rouse  
SIERRA INSTRUMENTS INC.  
BLDG L, 5 HARRIS COURT  
MONTEREY, CA 93940

Email: s\_rouse@sierrainstruments.com

The design submission, tracking number 2018-08356, originally received on December 18, 2018 was surveyed and accepted for registration as follows:

CRN : 0F09333.2 Accepted on: February 12, 2019  
Reg Type: RENEWAL Expiry Date: February 12, 2029

Drawing No. : SCOPE OF REGISTRATION AB-257 As Noted

Fitting type: FLOW METERS AND CONTROLLERS SERIES 100, 800, 600, 700, 200

The registration is conditional on your compliance with the following notes:

- \*\*\* The design submission has been accepted for registration with the following understanding:
- The submission is renewal of already accepted fittings and addition of new models.
- The Scope of registration AB-257 is the main document of the registration.
- In accordance with the provided information no changes have been made to the pressure boundary for all series of fitting models (100, 800, 600, 700, and 200), previously registered and the newly added.

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.

- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3358 or fax (780) 437-7787 or e-mail [nakevski@absa.ca](mailto:nakevski@absa.ca).

Sincerely,



NAKEVSKI, ANGEL  
DOP Cert. No. D00008370



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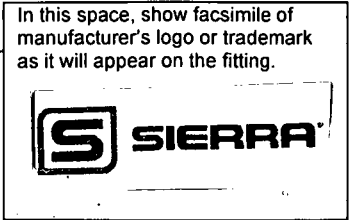
Sincerely,



NAKEVSKI, ANGEL  
DOP Cert. No. D00008370

STATUTORY DECLARATION Registration of Fittings

I, SCOTT ROUSE, VP PRODUCT MANAGEMENT (name of applicant) (position title) of SIERRA INSTRUMENTS (name of manufacturer) located at 5 HARRIS COURT, BLDG. L, MONTEREY CA 93940 (plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of B 31. 3 (title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with (title of code of construction or other applicable document) as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, FM GLOBAL (ISO 9001) as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Flow meters AND CONTROLLERS (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

100, 800, 600, 700, 200

DECLARED before me at (city) in the (province or state) of

this day of (Month) (Year)

(print) PLEASE SEE ATTACHED (a Commissioner of Oaths or Notary Public)

(sign) (a Commissioner of Oaths or Notary Public)

SARON (signature of applicant)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2 and is accepted for registration in Category

Registration Number: OF09333.2

(Signature of the Administrator/SCO)

Date Registered: FEB 12 2019

Expiry Date: Feb 12, 2023

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

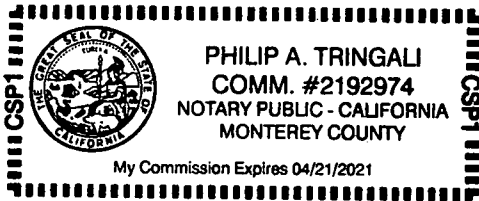
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Monterey )  
On 11/13/2018 before me, Philip A. Tringali, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Scott Rouse  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_  
Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

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FEB 12 2019



the pressure equipment safety authority

# DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41)  
AB-257 2016-01

This form may be used to document the Design Scope for fittings that require registration in accordance with the PESR s14 and s17. In each column, provide the information required or list the document number where the information can be found. If the column is not applicable to the fitting design, then indicate N/A.

**Note:** This form shall be completed and submitted with Form AB-41 Statutory Declaration Registration of Fittings.

Product Description	Primary Pressure Bearing/ Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
<b>Example: SERIES XZ</b>	<b>Body A</b>	<b>Material for Body A ASTM A-XXX</b>	<b>Female NPT XX-YY (in.) Female ISO (Size Range)</b>	<b>### psi @ ## °F</b>	<b>### psi @ ## °F</b>	<b>- ## °F</b>	<b>Class XXX# or SCH XX</b>	<b>Std. B16.X</b>	<b>Series XZ Catalog Pages # &amp; #</b>
SmartTrak®100 Series Models C100L M100L	100 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/8", 1/4", 3/8", 1/2" 6mm, 10mm, 12mm VCR Fittings 1/4", 1/2" VCO Fittings 1/4", 1/2" Female NPT Fittings 1/4", 3/8"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SmartTrak®100 Technical Datasheet Page 2 - Specs Page 7 - Options
SmartTrak®100 Series Models C100M M100M	100 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 3/8", 1/2", 10mm, 12mm VCR Fittings 1/2" VCO Fittings 1/2" Female NPT Fittings 1/4", 3/8", 1/2"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SmartTrak®100 Technical Datasheet Page 2 - Specs Page 7 - Options

**\*See Acceptance Letter for the comments and/or conditions of registration\***

**SAFETY CODES ACT - PROVINCE OF ALBERTA**  
**REGISTRATION OF FITTINGS**  
**0 F 0 9 3 3 3 . 2**

REGISTRATION NO. \_\_\_\_\_

DWG. NO or CAT. NO. Scope of Regi Station

TYPE OF FITTINGS Flow Headers and Controls

**FEB 12 2019**  
Date

INITIALS A. N.  
ANGEL NAKEVSKI  
DESIGN SURVEYOR

*not 5*  
*A. N.*

SmartTrak®100 Series Models C100H M100H	100 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/2", 3/4", 12mm VCR Fittings 1/2" Female NPT Fittings 1/2"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SmartTrak®100 Technical Datasheet Page 2 - Specs Page 7 - Options
MassTrak®810C Models 810C	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/8", 1/4", 3/8" 6mm, 10mm VCR Fittings 1/4" VCO Fittings 1/4" Female NPT Fittings 1/4"	150 PSIG	150 PSIG @ 122°F	32°F	N/A	B31.3	MassTrak®810C Technical Datasheet Page 2 - Specs Page 3 - Options
TopTrak® 822/824 Models 822 824	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/8", 1/4", 3/8" 6mm, 10mm VCR Fittings 1/4" VCO Fittings 1/4" Female NPT Fittings 1/4"	150 PSIG	150 PSIG @ 122°F	32°F	N/A	B31.3	TopTrak®822/824 Technical Datasheet Page 2 - Specs Page 3 - Options
TopTrak® 822S/824S Models 822S-L 824S-L	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/8", 1/4", 3/8", 6mm VCR Fittings 1/4", 1/2" VCO Fittings 1/4", 1/2" Female NPT Fittings 1/4", 3/8"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	TopTrak® 822S/824S Technical Datasheet Page 3 - Specs Page 4 - Options
TopTrak® 822S/824S Models 822S-M 824S-M	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/4", 3/8", 1/2" 6mm, 10mm, 12mm VCR Fittings 1/4", 1/2" VCO Fittings 1/4", 1/2" Female NPT Fittings 1/4", 3/8"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	TopTrak® 822S/824S Technical Datasheet Page 3 - Specs Page 4 - Options

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TopTrak® 822S/824S Models 822S-H 824S-H	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 3/8", 1/2" 10mm, 12mm VCR Fittings 1/2" VCO Fittings 1/2"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	TopTrak® 822S/824S Technical Datasheet Page 3 - Specs Page 4 - Options
TopTrak® 826/827 Models 826 827	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Female NPT Fittings 1/2"	150 PSIG	150 PSIG @ 122°F	32°F	N/A	B31.3	TopTrak® 826/827 Technical Datasheet Page 2 - Specs Page 4 - Options
SideTrak® 830/840 Models 830-L 840-L	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/8", 1/4", 3/8", 6mm VCR Fittings 1/4", 1/2" VCO Fittings 1/4", 1/2" Female NPT Fittings 1/4"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SideTrak® 830/840 Technical Datasheet Page 4 - Specs Page 5 - Options
SideTrak® 830/840 Models 830-M 840-M	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 1/4", 3/8", 1/2" 6mm, 10mm, 12mm VCR Fittings 1/4", 1/2" VCO Fittings 1/4", 1/2" Female NPT Fittings 1/4"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SideTrak® 830/840 Technical Datasheet Page 4 - Specs Page 5 - Options
SideTrak® 830/840 Models 830-H 840-H	800 Series Flow Body	Fittings SA-403-WP316 Bar Stock SA-479-316	Compression Fittings 3/8", 1/2", 10mm, 12mm VCR Fittings 1/2" VCO Fittings 1/2"	500 PSIG	500 PSIG @ 122°F	32°F	N/A	B31.3	SideTrak® 830/840 Technical Datasheet Page 4 - Specs Page 5 - Options
FastFlo 620S Model 620S	Probe and Fitting	Fittings SA-403-WP316 Probe SA-213-TP316 Sensor SA-213-TP304	Compression Fittings 3/8" Packing Gland 1/2" NPT	120 PSIG	120 PSIG @ 176°F	-40°F	Tubing 0.375 in OD x 0.049 in Wall	B31.3	FastFlo 620S Technical Datasheet Page 3 - Specs Page 4 - Options

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Steel-Mass™ 640S Model 640S (Stainless)	Probe and Fitting	Probe SA-213-TP316L Fittings SA-403-WP316	Compression Fittings 3/4"	500 PSIG	500 PSIG @ 350°F	-40°F	Tubing 0.750 in OD x 0.065 in Wall	B31.3	Steel-Mass™ Model 640S Technical Datasheet Page 5 - Specs Page 6 - Options
Steel-Mass™ 640S Model 640S (Hastalloy)	Probe and Fitting	Probe SB-622-NO6022 Fittings SB-366-NO6022	Compression Fittings 3/4"	500 PSIG	500 PSIG @ 350°F	-40°F	Tubing 0.750 in OD x 0.065 in Wall	B31.3	Steel-Mass™ Model 640S Technical Datasheet Page 5 - Specs Page 6 - Options
Steel-Mass™ 640S Model 640S (Stainless)	Probe and Fitting	Probe SA-213-TP316L Flanges SA-182-F316 Fittings SA-403-WP316	Flanged Connections 1" 150 # Flange Packing Gland Options 1" 150 # Flange 1" NPT	185 PSIG	185 PSIG @ 250°F	-40°F	Tubing 0.750 in OD x 0.065 in Wall	B31.3	Steel-Mass™ Model 640S Technical Datasheet Page 5 - Specs Page 6 - Options
Steel-Mass™ 640S Model 640S (Hastalloy)	Probe and Fitting	Probe SB-622-NO6022 Flanges SB-564-NO8367 Fittings SB-366-NO6022	Flanged Connections 1" 150 # Flange Packing Gland Options 1" 150 # Flange 1" NPT	185 PSIG	185 PSIG @ 250°F	-40°F	Tubing 0.750 in OD x 0.065 in Wall	B31.3	Steel-Mass™ Model 640S Technical Datasheet Page 5 - Specs Page 6 - Options
FlatTrak™ 780S Model 780S	Flow Body	Probe and Pipe SA-213-TP316L	NPT Threaded Ends 1/2 in, 3/4 in, 1 in, 1.5 in, 2 in, 3 in, 4 in, 6 in, 8 in	500 PSIG	500 PSIA @ 392°F	-40°F	SCH 40 Pipe (Seamless)	B31.3	FlatTrak™ 780S Technical Datasheet Page 4/5 - Specs Page 6 - Options
FlatTrak™ 780S Model 780S	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	150# Flanged Ends 1 in, 1.5 in, 2 in, 3 in, 4 in, 6 in, 8 in	230 PSIG	160 PSIG @ 392°F	-40°F	SCH 40 Pipe (Seamless)	B31.3	FlatTrak™ 780S Technical Datasheet Page 4/5 - Specs Page 6 - Options
FlatTrak™ 780S Model 780S	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	PN16 Flanged Ends DN50, DN80, DN100, DN150, DN200	230 PSIG	160 PSIG @ 392°F	-40°F	DIN2633 Pipe (Seamless)	B31.3	FlatTrak™ 780S Technical Datasheet Page 4/5 - Specs Page 6 - Options
Ultra High Purity 780S Model 780S	Flow Body	Probe and Tube SA-213-TP316L Fittings SA-403-WP316L	VCR Fittings .375 in, .50 in, 1 in	500 PSIG	500 PSIG @ 250°F	-40°F	SCH 5 Pipe (Seamless)	B31.3	Ultra High Purity 780S Technical Datasheet Page 3 - Specs Page 4 - Options
Ultra High Purity 780S Model 780S	Flow Body	Probe and Tube SA-213-TP316L	Butt Weld Preparation .375 in, .50 in, 1 in, 1.5 in, 2 in, 3 in, 4 in	500 PSIG	500 PSIG @ 250°F	-40°F	SCH 5 Pipe (Seamless)	B31.3	Ultra High Purity 780S Technical Datasheet

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QuadraTherm 780i Model 780i	Flow Body	Probe and Pipe SA-213-TP316L	NPT Threaded Ends 1/2 in, 3/4 in, 1 in, 1.5 in, 2 in, 3 in, 4 in, 6 in, 8 in	500 PSIG	500 PSIG @ 392°f	-40°f	SCH 40 Pipe (Seamless)	B31.3	QuadraTherm Technical Datasheet Page 4 - Specs Page 13 - Options
QuadraTherm 780i Model 780i	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	150# Flanged Connection 1/2 in, 3/4 in, 1 in, 1.5 in, 2 in, 3 in, 4 in, 6 in, 8 in	230 PSIG	160 psig @ 392°f	-40°f	SCH 40 Pipe (Seamless)	B31.3	QuadraTherm Technical Datasheet Page 4 - Specs Page 13 - Options
QuadraTherm 780i Model 780i	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	300# Flanged Connection 1/2 in, 3/4 in, 1 in, 1.5 in, 2 in, 3 in, 4 in, 6 in, 8 in	600 PSIG	415 psig @ 392°f	-40°f	SCH 80 Pipe (Seamless)	B31.3	QuadraTherm Technical Datasheet Page 4 - Specs Page 13 - Options
QuadraTherm 780i Model 780i	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	PN16 Flanged Connection DN50, DN80, DN100, DN150, DN200	230 PSIG	160 psig @ 392°f	-40°f	DIN2633Pipe (Seamless)	B31.3	QuadraTherm Technical Datasheet Page 4 - Specs Page 13 - Options
QuadraTherm 780i Model 780i	Flow Body	Probe and Pipe SA-213-TP316L Flanges SA-182-F316L	PN40 Flanged Connection DN50, DN80, DN100, DN150, DN201	600 PSIG	415 psig @ 392°f	-40°f	DIN2633Pipe (Seamless)	B31.3	QuadraTherm Technical Datasheet Page 4 - Specs Page 13 - Options
QuadraTherm 640i Model 640i	Probe and Fitting	Probe SA-213-TP316L Fittings SA-403-WP316	Compression Fittings 3/4"	500 PSIG	500 PSIG @ 350°f	-40°f	Tubing 0.750 in OD x 0.065 in Wall	B31.3	QuadraTherm 640i Technical Datasheet Page 4 - Specs Page 11 - Options
QuadraTherm 640i Model 640i	Probe and Fitting	Probe SA-213-TP316L Flanges SA-182-F316	Flanged Connections 1" 150 # Flange	185 PSIG	185 PSIG @ 250°f	-40°f	Tubing 0.750 in OD x 0.065 in Wall	B31.3	QuadraTherm 640i Technical Datasheet Page 4 - Specs Page 11 - Options
QuadraTherm 640i Model 640i	Probe and Fitting	Probe SA-213-TP316L Flanges SA-182-F316 Fittings SA-403-WP316	Packing Gland Options 1" 150 # Flange 1" NPT Fitting	150 PSIG	150 PSIG @ 250°f	-40°f	Tubing 0.750 in OD x 0.065 in Wall	B31.3	QuadraTherm 640i Technical Datasheet Page 4 - Specs Page 11 - Options
QuadraTherm 640i Model 640i	Probe and Fitting	Probe SA-213-TP316L Flanges SA-182-F316	Flanged Connections 2" 300 # Flange	230 PSIG	230 PSIG @ 250°f	-40°f	Tubing 0.750 in OD x 0.065 in Wall	B31.3	QuadraTherm 640i Technical Datasheet Page 4 - Specs

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