Newfoundland and Labrador

Prince Edward Island

**New Brunswick** 

Nova Scotia

Nunavut	Yukon	Northwest Terr	itories	
Manufactu	rers Name: Endress+Hauser Optical Analysis, I	Inc.	· · · · · · · · · · · · · · · · · · ·	The same and the s
	rers Address: 11027 Arrow Route, Rencho Cut		SA .	
Plant Loca	tions: Same as Above			TWO WILL STATE OF THE STATE OF
A Pipe fitting B Flanges: a C Valves; ai		. Circle one Cate gs, unions, pipe caps	gory only , or reducers	Title of the Standard of Construction
D Expansion	n joints, flexible connections, and hose assem filters, separators, and steam traps		S 1601	- ASME B31.3
transmitte	g devices, including pressure gauges, level ga rs apacity-rated pressure relief devices accepta		CONTRACTOR CONTRACTOR	- ASME B31.1
_ boilers, pr	apacity-lated pressure relief devices accepta essure vessels, piping and fusible plugs retaining components that do not fall into one			2
	omponents: Class 1 🗆 Class 2 🗀 Class 3			
Show Man	Endress+Haus	hacadaah	700	Type of Construction Forged & Welded a Wrought & Cast a Other a Describe other:
List of sur	porting documentation and identifica	ation of the actual	items to be registered	di:
- J22 AN	NALYZER SYSTEM SCOPE C	OF CRN REGI	STRATION, REP	ORTS, DRAWINGS.
			20	
			- V 200 V	The Control of the Co
my knowled ratings, and fittings is requestioned by believing it to be be believing it to be be believing believing it to be believing it to be believing be	ge represents the product for which register in accordance identification markings are in accordance pulated by a Quality Control Program whose inc. iso soot; 2016 as beloo be true, and knowing that it is of the set in the product of th	Istration is sought, the with the herein relich extends to eaching suitable for that arme force and effective with the suitable for that arme force and effective with the suitable force with the suita	The dimensions, mater named standards. I furth the plant where fabrication to purpose and I make the ct as if made under oath	JASON G. THOMAS Notary Public - California San Bernardino Country Comm, Expires Jun 27, 2024
372	This registration must be	his space for Regulate revaildated after ten	(10) years from the date of	of acceptance.
CRN: OH	22188.2		ACC	EPTED
FID#: 16	226		PROVINCE OF PRIF	NCE EDWARD ISLAND ND & ENVIRONMENT
Notes:	gs shall be registered in the name of the Manufacti	urar	COMMENTALISM, DA	21.00 20
2. Each C	alegory shall be supported with two Statutory Declar copy of supporting documentation.		C.R.N. OH &	P1 16/22
3. The De respons	claration shall be made by the person having full au ibility for the quality of the end product.		DATE:	the mer
Note: 3.45	Control programs shall be resubmitted for validation bar @ 80C/50psi @ 176F. All fitting have valid CRNs and their ptr ration or the registered design conditions ydrostatically tested at 75 PSI before in operation. CRN expires March	ngs must Ings are . The system ore it will	INSPECTION S. BOILER/PRESSU	ERVICES SECTSON.0 Fittings Rev.2 HE VESSEL BRANCIP
(DGallant		2014, 2022		

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Northwest Terri		wfoundland and Labrador
Manufacturers Na	me: Endress+Hauser Optical Ana	lysis, Inc.	As some or the	
Manufacturers Ad	dress: 11027 Arrow Route, Rand	ho Cucamonga, CA, 91730, US	Ā	
Plant Locations: Sa				100 CONTROL OF THE CO
A Pipe fillings, includi B Flanges: all flanges C Valves: all line valve	es	s, plugs, unions, pipe caps	or reducers	Title of the Standard of Construction
D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure			- ASME B31.3 - ASME B31.1	
G Certified capacity-ra boilers, pressure ve	ited pressure relief devices ac ssels, piping and fusible niugs	ceptable as primary over p	ressure protection on	-AOME BOTH
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	components that do not fall int			
Show Manufacture	ls: Class 1 ☐ Class 2 ☐ Cl ors Name, Trademark, or	ass 3 [] , (Meeting CNSC	or ASME requirements)	Time of Constant Name
	dress+Ha	***************************************	900	Type of Construction Forged # Welded a Wrought # Cast a Other a Describe other:
List of supporting	documentation and ident	tification of the actual	items to be registere	d:
- J22 ANALYZ	ER SYSTEM SCOP	E OF CRN REGIS	STRATION, REP	ORTS, DRAWINGS.
my knowledge repres ratings, and identifica fittings is regulated by verified by DQS Inc. ISO 81	the quality of the end product sents the product for which dion markings are in accord y a Quality Control Progran	uct do solemnly declare registration is sought. dance with the herein na n which extends to each s being suitable for that	that the information co The dimensions, mater amed standards. I furtion plant where fabrication purpose and I make th	d being the person having full authority ontained in this form is true to the best of ials of construction, pressure temperature ner declare that the manufacture of these n occurs in whole or in part and has been is solemn declaration conscientiously it.
Signature of Declarer	71 71 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	A		
Declared before me e	at Kancho Cycamon	ga ad, ust		1de
This da	y of March A	D 2022_	gas week	photo-file the Children Coming
Commissioner of Oat	hs			JASON G. THOMAS Notary Public - California
Or Notary Public: (sig	n)		4	San Bernardino County & Commission # 2329266
	(Affix Official seal to th	e right)	THE PARTY OF THE P	My Comm. Expires Jun 27, 2024
	This registration mus	This space for Regulator	ry Authority use.	
CRN: 0H22188.	.2	of no tovalidated atter terr	& PRESSU	RF:
7.79/2000.500.		st be revalidated after ten	NO NEW YORK	** Egg
FID#: 16226			(8) Cart Sant	(3/2)
Notes:		020040000	CRN CHARIS	10105
	registered in the name of the Man I be supported with two Statutory I			8.28
and one copy of sup	pporting documentation.		2	ribed.
	all be made by the person having for quality of the end product.	ull authority and	Signed Supprise	-
4. Quality Control prog	grams shall be resubmitted for valle BOC/50psi @ 176F. All	dation,	1 1	. /5)
11/2016 have va	alid CRNs and their p/t gistered design condition ically tested at 75 PSI I	ratings are ons. The system	Pert REGUL	ATONS Sect 1.0 - Fittings Rev.2
	ation. CRN expires Mar			

**New Brunswick** Nova Scotia Prince Edward Island Newfoundland and Labrador Nunavut Yukon Northwest Territories Manufacturers Name: Endress+Hauser Optical Analysis, Inc. Manufacturers Address: 11027 Arrow Route, Rancho Cucamonga, CA, 91730, USA Plant Locations: Same as Above Category of Fittings to be registered. Circle one Category only Title of the Standard of A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers Construction B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ASME B31.3 F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure - ASME B31.1 G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs (H) Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ , (Meeting CNSC or ASME requirements) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Welded a Wrought # Cast D Other o Endress+Hauser Describe other: List of supporting documentation and identification of the actual items to be registered: - J22 ANALYZER SYSTEM SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS. Declaration: (see note 3) employed by Endress+Hauser Optical Analysis, Inc. and being the person having full authority | Timo Kretzler, VP of Technology and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by DQS Inc. ISO 9001: 2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing final it is of the same force and effect as if made under oath. Signature of Declarer: Declared before me at Kaucho Cucamonga THOMAS Commissioner of Oaths California Or Notary Public: (sign) (Affix Official seal to the right) This space for Regulatory Authority use. DEPT OF JUSTICE PUBLIC SAFETY This registration must be revalidated after ten (10) years from the general of acceptances SURE VESSE ACT CRN: 0H22188.2 FID#: 16226 Notes: 1. All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation.

Note: 3.45bar @ 80C/50psi @ 176F. All fittings must 11/2016 have valid CRNs and their p/t ratings are suitable for the registered design conditions. The system shall be hydrostatically tested at 75 PSI before it will BLRs ☐ PVs be placed in operation. CRN expires March 23rd, 2022 (DGallant) FITTINGS ☐ NUCLEAR COMPONENTS

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward I Northwest Territ		Newfoundland a	nd Labrador
Manufacturers Nam	ne; Endress+Hauser Optical An	alvsis. Inc.			
		cho Cucamonga, CA, 91730, USA	**************************************		
Plant Locations: Sam	ne as Above				
Category A Pipe fittings, including B Flanges: all flanges C Valves; all line valves	g couplings, tees, elbows, Y	tered. Circle one Categ 's, plugs, unions, plpe caps,	ory only or reducers	Title o	of the Standard of Construction
F Measuring devices, ir transmitters G Certified capacity-rate boilers, pressure vess	ed pressure relief devices ac sels, piping and fusible plug	evel gauges, sight glasses, le	essure protection or	- ASME B - ASME B	T. 550T
		. P. S. B. C. (1974) (2007) (1974) (2007) (2007) (1974) (2007) (2007) (2007) (2007) (2007) (2007) (2007) (2007)		2.2	
Show Manufacturers	S Name Trademark or	lass 3 □ , (Meeting CNSC of Logo as it will appear of	r ASME requiremen		-10
	dress+Ha	- Company	n the product	Forged A	of Construction  Velded
List of supporting d	ocumentation and iden	ntification of the actual i	tems to be regis	tered:	Carrie Maria A November 1
		PE OF CRN REGIS		_, _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
my knowledge represe ratings, and identificati fittings is regulated by verified by DQS Inc. ISO 900 believing it to be true, a Signature of Declarer:	ne quality of the end product for which on markings are in accordanced a Quality Control Programment is 2015 and knowing that it is of	n registration is sought. Tredance with the herein name which extends to each as being suitable for that put the same force and effect	hat the information he dimensions, m ned standards. I plant where fabrio urpose and I mak	on contained in this naterials of construct further declare that cation occurs in who te this solemn declar	form is true to the best of tion, pressure temperature the manufacture of these ble or in part and has been
Declared before me at	.00 - (				
Thisday Commissioner of Oath Or Notary Public: (sign	s	he right)	NHW!	JASON G. 1 Notary Public San Bernardi Commission My My Comm. Expires	- California Ano County Ano Count
	This registration mu	This space for Regulator ust be revalidated after ten (		ate of assentance	
CRN: 0H22188.2	)	ust be revalidated after terr (	o) years from the d	ale of acceptance.	
TO THE RESERVE THE PARTY OF THE	-		Newfo	undland	
FID#: 16226			Lah	rador	
Notes:			District Comment	ment and Service NL	
1. All Fittings shall be re	gistered in the name of the Mar	nufacturer.	=======================================		
	oe supported with two Statutory orling documentation.	Declaration forms	Registered	0H22188.20 8-Sep-2022	
	be made by the person having quality of the end product,	full authority and		Inspection Services	
Note: 3.45bar @ 80 11/2016 have val suitable for the regishall be hydrostation	ams shall be resubmitted for val DC/50psi @ 176F. All id CRNs and their p/t istered design conditionally tested at 75 PSI tion. CRN expires Ma	fittings must t ratings are ions. The system before it will	PUBLIC SA THE BOILER, PRI	UTHORITY OF THE IFETY ACT AND ESSURE VESSEL AND GAS REGULATIONS	Sect 1.0 - Fittings Rev.2

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Na	Me: Endress+Hauser Optical An	alysis, Inc.	
Manufacturers Add	dress: 11027 Arrow Route, Ran	cho Cucamonga, CA, 91730, USA	
Plant Locations: sa	me as Above		
A Pipe fittings, includir B Flanges: all flanges C Valves: all line valve	ng couplings, tees, elbows, Y	tered. Circle one Category only s, plugs, unions, pipe caps, or reducers	<u>Title of the Standard of</u> <u>Construction</u>
E Strainers, filters, sep     F Measuring devices,     transmitters     G Certified capacity-ral     boilers, pressure ver	ted pressure relief devices ac	evel gauges, sight glasses, levels, or press	
The second secon		lass 3 🗆 , (Meeting CNSC or ASME requi	rements)
Show Manufacture	rs Name, Trademark, or dress + Ha	Logo as it will appear on the produ	Type of Construction Forged  Welded  Wrought  Cast  Other  Describe other:
List of supporting	documentation and iden	tification of the actual items to be	registered:
Declaration:		PE OF CRN REGISTRATION	8
my knowledge repres ratings, and identifica fittings is regulated by verified by DOS Inc. ISO SIC believing it to be true,	the quality of the end proceed the product for which tion markings are in accordance of a Quality Control Program and knowing that it is of the product of t	duct do solemnly declare that the infor n registration is sought. The dimension rdance with the herein named standar m which extends to each plant where	and being the person having full authority mation contained in this form is true to the best of ns, materials of construction, pressure temperatureds. I further declare that the manufacture of these fabrication occurs in whole or in part and has beer I make this solemn declaration conscientiously under oath.
Signature of Declarer	Rancho Cycamon	I MEA	
		ga Cot, VII	# 100 #
This da		ND ZUZZ	JASON G. THOMAS
Or Notary Public: (sig	The state of the s	the right)	Notary Public - California San Bernardino County Commission # 2329266 My Comm. Expires Jun 27, 2024
		This space for Regulatory Authority use	0.
01122100	This registration mu	ust be revalidated after ten (10) years from	the date of acceptance
CRN: 0H22188.		108	
FID#: 16226	i inc	(3)	7
Notes:		(S) B	Y
1. All Fittings shall be a	registered in the name of the Mar	nufacturer.	01122100 21
and one copy of sup	be supported with two Statutory porting documentation.  If be made by the person having	Add authority and	201101000
responsibility for the 4. Quality Control prog	quality of the end product,	lidation.	ATE 09/16/2022
Note: 3.45bar @ 8 11/2016 have va suitable for the rec shall be hydrostati	80C/50psi @ 176F. All alid CRNs and their p/t gistered design conditi cally tested at 75 PSI	fittings must t ratings are ions. The system before it will	AFDE DRANCH Sett 1.0 - Fittings Rev.2
be placed in opera (DGallant)	ation. CRN expires Ma	arch 23rd, 2022	

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edwa Northwest T		Newfoundland and Labrador			
Manufacturers Name: Endress+Hauser Optical Analysis, Inc. Manufacturers Address: 11027 Arrow Rolle, Rancho Cucamonge, CA 91730, USA							
Plant Locations: same							
A Pipe fittings, including B Flanges: all flanges C Valves: all line valves		s, plugs, unions, pipe c	aps, or reducers	Title of the Standard of Construction			
E Strainers, filters, separ	ble connections, and hose r rators, and steam traps cluding pressure gauges, le	- ASME B31.3 - ASME B31.1					
G Certified capacity-rated	d pressure relief devices ac	ceptable as primary ov					
H Pressure retaining cor	eis, piping and fusible plugs apponents that do not fall int	o one of the above cat	egories				
N Nuclear components: Show Manufacturers	Class 1 Class 2 Cl Name, Trademark, or I	ass 3 🗆 , (Meeting CN	SC or ASME requirement	Type of Construction			
	iress+Ha		773	Forged & Welded a Wrought & Cast a Other a Describe other:			
List of supporting do	cumentation and ident	ification of the act	sal items to be regis	stered;			
- J22 ANALYZE	R SYSTEM SCOP	E OF CRN REC	SISTRATION, F	REPORTS, DRAWINGS.			
Declaration:   Time Kretzler, VP of Technology	(see note 3) 9	moloved by Endress+	Hauser Optical Analysis, In	c. and being the person having full authority			
my knowledge representatings, and identification fittings is regulated by a verified by poster to some	I Time Kretter, VP of Technology  (see note 3) employed by Endress*Hauser Optical Analysis, Inc. and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and Identification markings are in accordance with the herein nanded standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by the poster of t						
Signature of Declarer:	nd knowing that it is of th	e same force and ef	fect as if made unde	roath,			
	Rancho Cycamore						
This day o	or March X	ZOZZ	1950	JASON G. THOMAS			
Commissioner of Oaths Or Notery Public; (sign)				Notary Public - California San Bernardino County Commission # 2329266			
	(Affix Official seal to the		1/3	My Comm. Expires Jun 27, 2024			
01122499.0	This registration mus	This space for Regul t be revalidated after to	atory Authority use, on (10) years from the c	late of acceptance,			
CRN: 0H22188.2	**						
FID#: 16226			1				
1	stered in the name of the Manu	facturer-	VA				
Each Calegory shall be and one copy of support	supported with two Statutory D	eclaration forms	Northwei Terri	ories			
	e made by the person having fu ality of the end product.	Ruthority and	The second secon	STERED AUTHORITY OF			
Note: 3.45bar @ 800	ns shall be resubmitted for valid C/50psi @ 176F All f d CRNs and their p/t	ittinos must	THE BOILER A	ND PRESSURE Sect 10 - Fittings Rev.2			
suitable for the regis	lered design conditionally tester at 75 PSI b	ns. The system		1188.27			
be placed in operation (DGallant)	on. CRN expires Man	ch 23rd, 2022	SIGNED SANTE	10/00			
			DATE SUPE	81.00			

Prince Edward Island

New Brunswick

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Ne	wfoundland and Labrador
Manufacturers Na	me: Endress+Hauser Optical Ana dress: 11027 Arrow Route, Ranc	hysis, inc.		
Plant Locations: Se	rne as Ahove	no Cucamonga, CA, 91730, USA		
Categor A Pipe fittings, includir B Flanges: all flanges C Valves: all line valve	ry of Fittings to be regist ng couplings, tees, elbows, Yo	ered. Circle one Category onling, plugs, unions, pipe caps, or reduce	Y ers	Title of the Standard of Construction
E Strainers, filters, sej F Measuring devices, transmitters G Certified capacity-ra boilers, pressure ve:	ted pressure relief devices ac ssels, piping and fusible plugs	vel gauges, sight glasses, levels, or	500	- ASME B31.3 - ASME B31.1
N Nuclear component	s: Class 1 🗆 Class 2 🗀 Cl	ass 3 🗆 , (Meeting CNSC or ASME	regulrements)	1
Show Manufacture	dress+Ha	Logo as it will appear on the p	roduct	Type of Construction Forged S Weided o Wrought # Cast o Other o Describe other:
List of supporting	documentation and iden	tification of the actual items to	be registere	9:
			المراد والمراد	
my knowledge repres ratings, and identifica fittings is regulated berified by basing iso we believing it to be true, Signature of Declarer	the quality of the end product for which the product for which the control program a Quality Control Program 201:2015  and knowled that it is of the	uct do solemnly declare that the registration is sought. The dime dance with the herein named stand which extends to each plant was being suitable for that purpose a same force and effect as if many control of the co	information co msions, mater indards. I furth here fabricatio and I make th	d being the person having full authority intained in this form is true to the best of lats of construction, pressure temperature ner declare that the manufacture of these n occurs in whole or in part and has been is solemn declaration conscientiously i.
	A- (	2022	PR. A. HOLL	officers from the complete whether we had
Commissioner of Oat Or Notary Public: (sig	hs		=	JASON G. THOMAS Notary Public - California San Bernardine County Gommission # 2329266 My Comm. Expires Jun 27, 2024
CRN: 0H22188.	This registration mu	This space for Regulatory Autho at be revalidated after ten (10) year	The second secon	facceptance. Boilers and Pressure Vessels Act
FID#: 16226 Notes:				REGISTERED
1. All Filtings shall be	registered in the name of the Man	ufacturer.	0	
and one copy of sup	to be supported with two Statutory opening documentation.		CRN_C	H22188,2N
responsibility for the	all be made by the person having a quality of the end product.		Date	DA 6.
Note: 3.45bar @ 8 11/2016 have va suitable for the re- shall be hydrostat	rems shall be resubmitted for vall 30C/50psi @ 176F. All alid CRNs and their p/t gistered design conditi ically tested at 75 PSI	fittings must ratings are ons. The system before it will	Signed	Sect 1.0 - Fillings Rev.2 Chief Inspector
be placed in opera (DGallant)	ation. CRN expires Ma	rch 23rd, 2022	Terri	torial Registration Fee