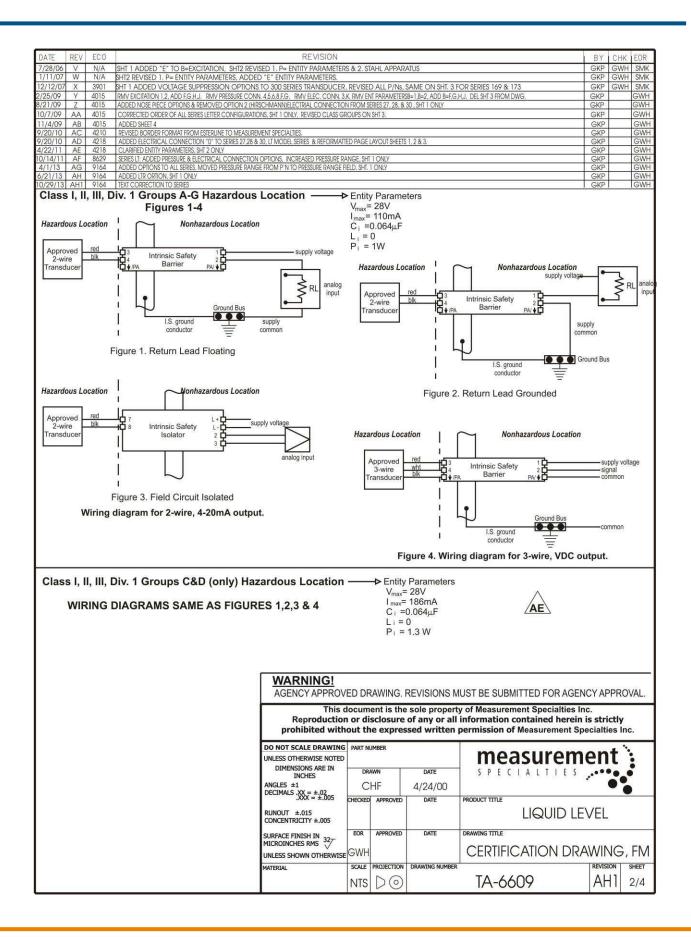
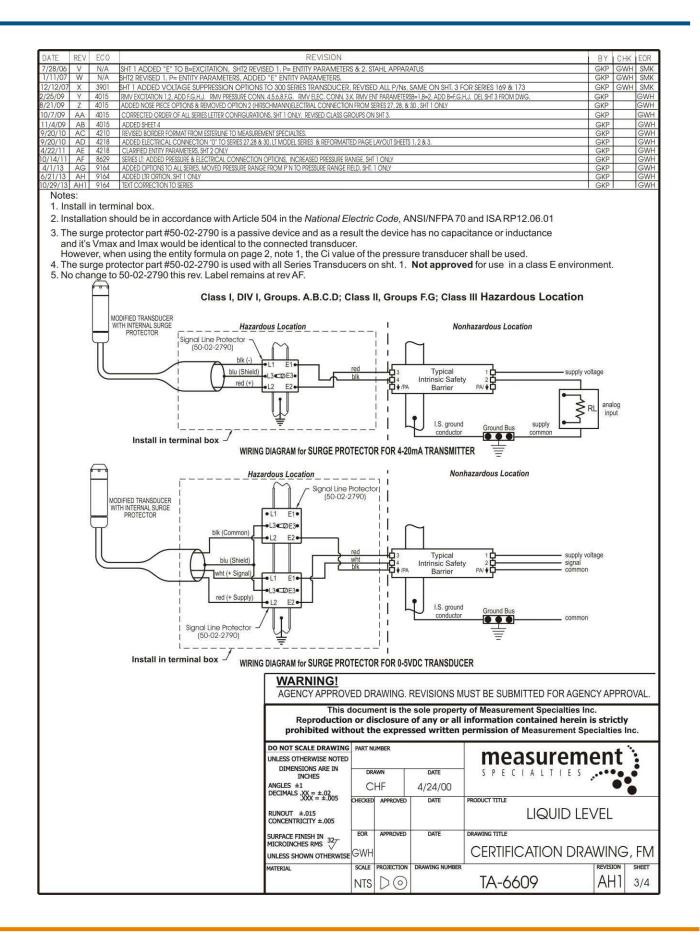
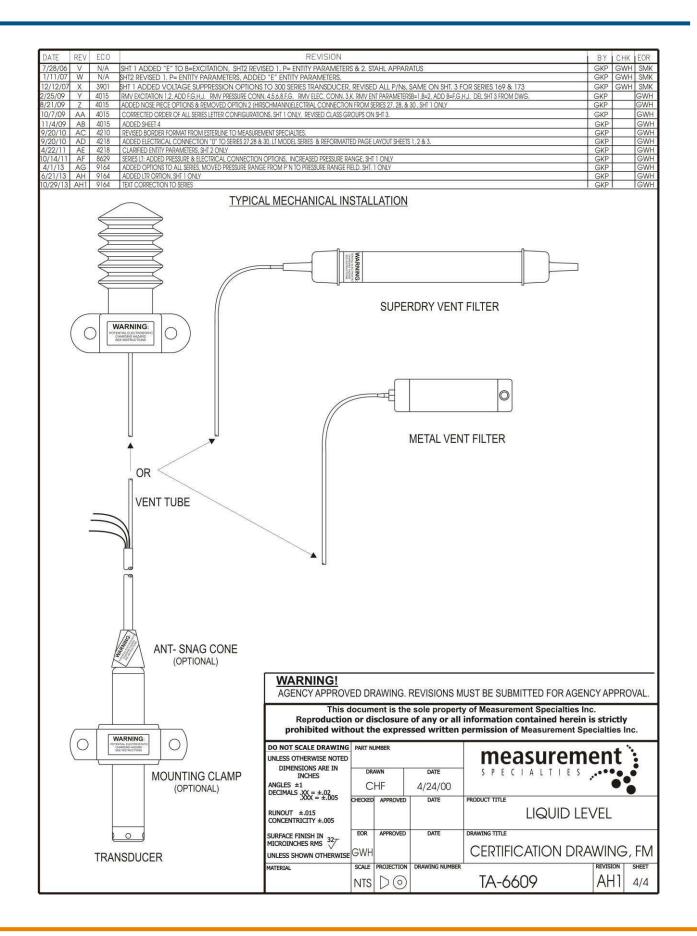


CERTIFICATIONS for KPSI Transducers
FM
UL;CUL
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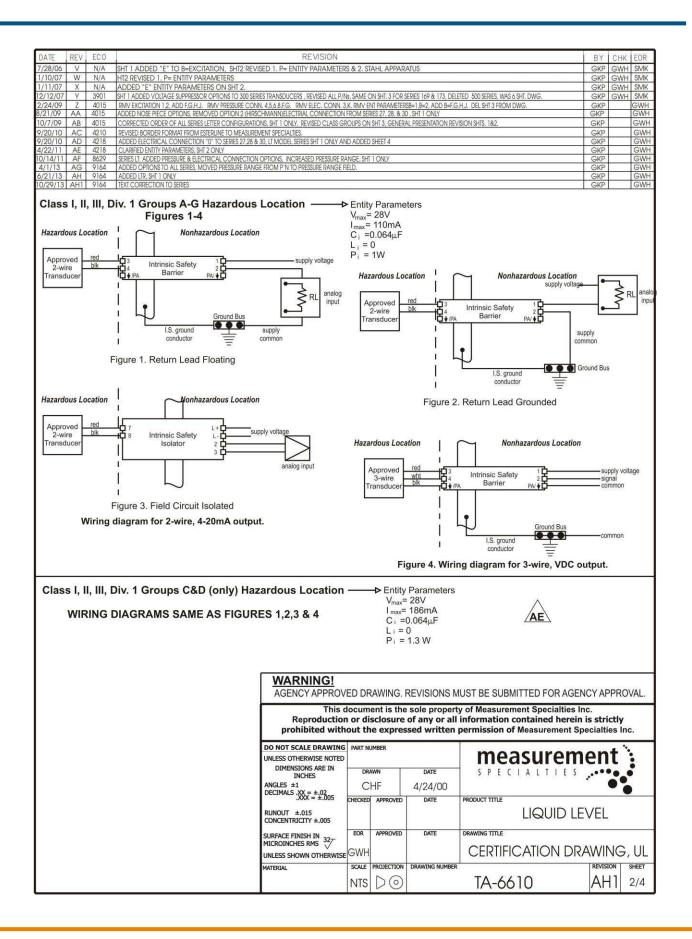
DATE	REV	ECO		REVISION					ΒY	CHK	EOR
7/28/06	V	N/A	SHT 1 ADDED "E" TO B=EXCITATION, SHT2 REVI	SED 1. P= ENTITY PARAMETERS	5 & 2. ST	AHL APPAR	ATUS		GKP	GWH	SMK
1/11/07	WX		SHT2 REVISED 1. P= ENTITY PARAMETERS, ADDE		DEV/ICC		CAME ON OUT OF	OD SEDIES 140 & 173	GKP GKP	GWH GWH	
2/25/09	X Y	4015	SHT 1 ADDED VOLTAGE SUPPRESSION OPTIONS RMV EXCITATION 1.2, ADD F,G,H,J. RMV PRESSURE CONT						GKP	GWH	GWH
8/21/09	Z	4015	ADDED NOSE PIECE OPTIONS & REMOVED OPTION 2 (HIR	SCHMANN)ELECTRIAL CONNECTION	FROM SE	RIES 27, 28, &		nenne et mennen slift 7 de 7 de 9 de 1990 en 19	GKP		GWH
10/7/09	AA AB	4015 4015	CORRECTED ORDER OF ALL SERIES LETTER CONFIGURATIO ADDED SHEET 4	DNS, SHT 1 ONLY, REVISED CLASS GR	OUPS ON	SHT 3.			GKP GKP	-	GWH GWH
9/20/10		4013	REVISED BORDER FORMAT FROM ESTERLINE TO MEASURE						GKP		GWH
9/20/10	AD	4218 4218	ADDED ELECTRICAL CONNECTION "0" TO SERIES 27,28 &	30, LT MODEL SERIES & REFORMATTE	D PAGE L	AYOUT SHEETS	1,2&3.		GKP	0 	GWH GWH
4/22/11 10/14/11	AE	8629	CLARIFIED ENTITY PARAMETERS, SHT 2 ONLY SERIES LT: ADDED PRESSURE & ELECTRICAL CONNECTION	OPTIONS, INCREASED PRESSURE RA	NGE, SHT	1 ONLY		1 1	GKP GKP		GWH
4/1/13	AG	9164	ADDED OPTIONS TO ALL SERIES, MOVED PRESSURE RANG	E FROM P'N TO PRESSURE RANGE FI	ELD. SHT.	ONLY			GKP		GWH
6/21/13 10/29/13		9164 9164	ADDED LTR ORTION, SHT 1 ONLY TEXT CORRECTION TO SERIES						GKP GKP		GWH GWH
Divi Clas App Se	sion 1 ss III, aratu ries 2 711 73 74 74	1, Group Division s as de 27 FABC F = m A = p D = e e C = p e C = p e C = e e * EEEE * 00 FABC 00 FABC F = m A = e e f B = e e f B = e e f B = f B = e f B = f	s listed below are designed for insta ps A, B, C and D, Class II, Division 1 n 1 hazardous location when connect scribed in note 1. EDG (EEEE), 28FABCDG (EEEE), 30 interial: S,T ressure connection: 1,2,7 lectrical connection: 0,1,4 oftage suppression: A,B,C E = pressure range: 0-2000 PSI aved in Pressure Field, not in p/n. CDG (EEEE), 705FABCDG (EEEE), DG (EEEE), 735FABCDG (EEEE), DG (EEEE), 750FABCDG (EEEE), DG (EEEE), 750FABCDG (EEEE), avertarial: S,T ressure connection: 0,4,A,B oftage suppression: A,B,C,D,E,2,7 lectrical connection: 0,4,A,B oftage suppression: A,B,C,C,E,2,7 lectrical connection: A,B,C,C,E,2,7 lectrical connection: A,B,C,C,E,3,A,B,C ible type: A,B,C,C citation/output: 1,2,3,4,5,6,7,8,A,B,C ible type: A,B,C,C citrical connection: A,B,D,F,1,2 assure range: 0-2000 psi ts: P,F,M,K assure type: G,S,A	, Groups E, F, and G, ted to Associated DFABCDG (EEEE) CFABCDG (EEEE) CFABCDG (EEEE) AGENCY APPROVI This d Reproduction prohibited withe UNLESS OTHERWISE NOTED	* Inc Sele safe and than in th 2. CC 250 3. Ir Natu 4. F elec	Sociated nections of Vn C C C C C C C C C C C C C C C C C C	which meet the max is For all basis is for the application of the applicat	hall provide intrinsically safe hall provide intrinsically safe hall provide intrinsically safe harrier channels used. ed current for all barrier channels harrier channels used. ed power for all barrier channels $ax \qquad C_a \ge C_i + C_{leads} *$ $L_a \ge L_i + L_{leads} *$ cted to the barrier including the 1 third party approved as providing ation, and have Voc or Vt not ex I max, and the Po of the barrier of the intrinsically safe equipment neters. Is shall not generate in excess of accordance with Article 504 in ANSI/NFPA 70 and ISA RP-12.0 able. Insure that these wires are ther conductors. UST BE SUBMITTED FOR AGEN y of Measurement Specialties Ir information contained herein permission of Measurement Specialties Ir information contained herein information contained herein information contained herein information contained herein information contained herein information contained herein information contained herein informat	s used transdu og intrii ceedin must int, as of the 6.01	PPRO	ly ax ss n /AL.
			DIMENSIONS ARE IN INCHES ANGLES ±1		DRAWN DATE SPECIALTIE						
				DECIMALS .XX = ±.02		APPROVED	4/24/00 date	PRODUCT TITLE		•	)
				RUNOUT ±.015 CONCENTRICITY ±.005	EOR	APPROVED	DATE	LIQUID LE	VEL	2	
				SURFACE FINISH IN MICROINCHES RMS 32 UNLESS SHOWN OTHERWISE		APPROVED	DATE	CERTIFICATION DRA	AWIN	١G,	FM
				MATERIAL			DRAWING NUMBER	TA-6609	REVISI		ынеет 1/4

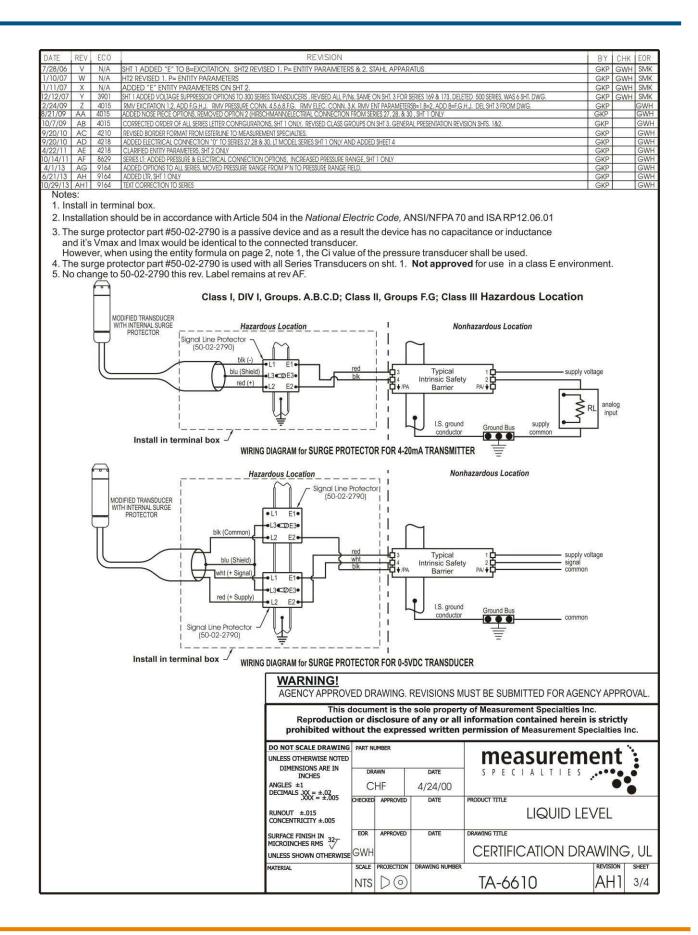


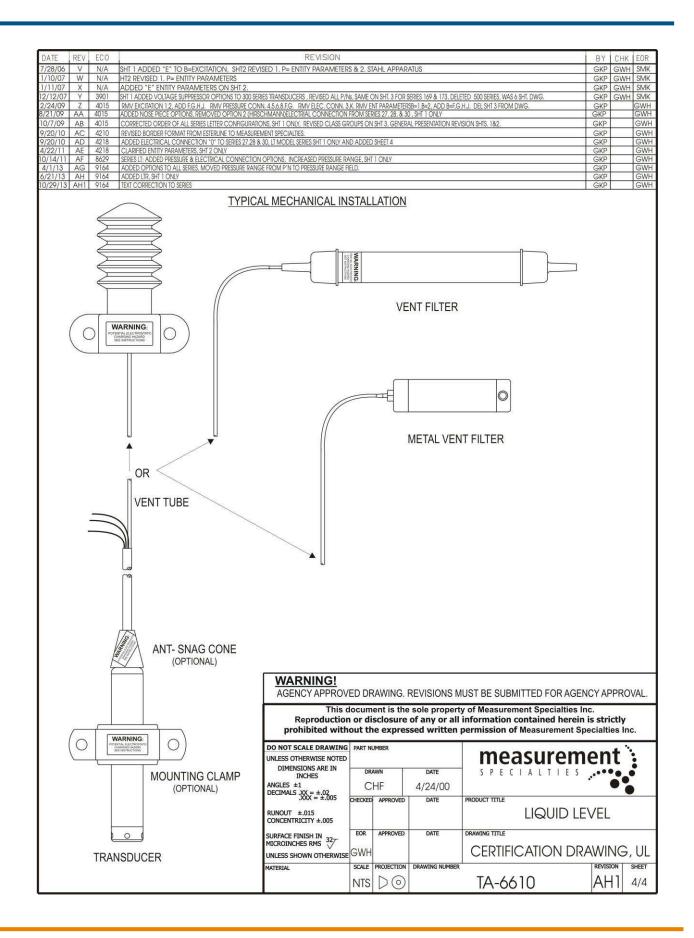




ATE F	REV	ECO		REVISION				BY	CHK	FOR	
	V	N/A	SHT 1 ADDED "E" TO B-EXCITATION, SHT2 REVISED 1. P= ENTITY PARAMETERS & 2. STAHL APPARATUS						GWH	SM	
10/07	W	N/A	HT2 REVISED 1. P= ENTITY PARAMETERS							SM	
	X Y	N/A 3001	ADDED "E" ENTITY PARAMETERS ON SHT 2. SHT 1 ADDED VOLTAGE SUPPRESSOR OPTIONS TO 300 SERIES TRANSDUCERS , REVISED ALL P/Ns, SAME ON SHT. 3 FOR SERIES 169 & 173, DELETED 500 SERIES, WAS 6 SHT. DWG.							SN/	
	Z	3901 4015	RMV EXCITATION 1.2. ADD F.G.H.L. RMV PRESSURE CON	IN 45.6.8.E.G. RMV FLFC CONN 3	s, gaivie uin 5ht, 3 h K. RMV FNT PARAME	TERSB=1.R=2, ADD R=F	G.H.J. DEL SHT 3 FROM DWG.	GKP GKP	GWH	GV	
1/09 /	AA	4015	RMV EXCITATION 1.2, ADD F.G.H.J. RMV PRESSURE CONN. 4,5.6.8.F.G. RMV ELEC. CONN. 3,K. RMV ENT PARAMETER8B=1,8=2, ADD B=F.G.H.J. DEL SHT 3 FROM DWG. ADDED NOSE PIECE OPTIONS, REMOVED OPTION 2 (HIRSCHMANN/ELECTRIAL CONNECTION FROM SERIES 27, 28, & 30, SHT 1 ONLY							G/	
	AB	4015	CORRECTED ORDER OF ALL SERIES LETTER CONFIGURATIONS, SHT 1 ONLY, REVISED CLASS GROUPS ON SHT 3, GENERAL PRESENTATION REVISION SHTS. 182.							G	
	AC AD	4210 4218	REVISED BORDER FORMAT FROM ESTERLINE TO MEASURE ADDED ELECTRICAL CONNECTION "0" TO SERIES 27,28 8					GKP GKP		G	
	AD	4218	CLARIFIED ENTITY PARAMETERS, SHT 2 ONLY	, LI WOULL BERIEB OFFI I UNLY AN	u nuucu əntti 4			GKP	1	G	
14/11	AF	8629	SERIES LT: ADDED PRESSURE & ELECTRICAL CONNECTION	OPTIONS, INCREASED PRESSURE RA	NGE, SHT 1 ONLY			GKP		G	
	AG AH	9164 9164	ADDED OPTIONS TO ALL SERIES, MOVED PRESSURE RANG ADDED LTR, SHT 1 ONLY	ge from P'n to pressure range fie	ELD,			GKP GKP	-	GG	
29/13 A		9164	TEXT CORRECTION TO SERIES					GKP		G	
Divisio	on 1	, Grou	s listed below are designed for insta ps A, B, C and D, Class II, Division 1	I, Groups E, F, and G,	1. Associat		shall provide intrinsically safe				
Class III, Division 1 hazardous location when connected to Associated Apparatus as described in note 1. Series 27FABCDG (EEEE), 28FABCDG (EEEE), 30FABCDG (EEEE) F = material: S,T A = pressure type: 1,3,4,7,8,9 B = excitation/output 3,4,E,F,G,H,J,K,L,M C = pressure connection: 1,2,7 D = clocatical connection: 1,2,7				connections which meet the following parameters. $V_{max} ; For all barrier channels used.$ $I_{max} ; Combined current for all barrier channels used.$ $C_i ; For all barrier channels used.$ $L_i ; For all barrier channels used.$ $P_i ; Combined power for all barrier channels used.$ $Voc \text{ or } V_T \leq V_{max} \qquad C_a \geq C_i + C_{\text{ leads}*}$							
D = electrical connection: 0,1,4 G = voltage suppression: A,B,C * EEEE = pressure range: 0-2000 PSI *Engraved in Pressure Field, not in p/n.					Isc or $I_T \leq I_{max}$ $L_a \geq L_i + L_{leads} \star$ Po or $P_i < P_i$						
					* Includes	2013-0-100 II	ected to the barrier including th	e transo	ucer	ał	
					* Includes all cable connected to the barrier including the transducer cab						
Series 700FABCDG (EEEE), 705FABCDG (EEEE), 710FABCDG (EEEE), 720FABCDG (EEEE), 730FABCDG (EEEE), 735FABCDG (EEEE), 745FABCDG (EEEE), 735FABCDG (EEEE) F = material: S,T A = pressure type: 1,3,4,7,8,9 B = excitation/output: 3,4,E,F,G,H,J,K,L,M C = pressure connection: A,B,C,D,E,2,7 D = electrical connection: 0,4,A,B G = voltage suppression: A,B,C * EEEE = pressure range: 0-304 PSI *Engraved in Pressure Field, not in p/n. Series 300FABCDGEEEE, 320FABCDGEEEE, 330FABCDGEEEE, 325FABCDGEEEE F = material: S,T A = pressure type: 1,3,4,7,8,9 B = excitation/output: 3,4,E,F,G,H,J,K,L,M C = pressure connection: 0,4,A,B G = voltage suppression: A,B,C * EEEE = pressure range: 0-304 PSI *Engraved in Pressure Field, not in p/n.				1	safe circuit and Isc or than or equ in the Table 2. Control 250V (Um 3. Installat <i>National E</i> 4. Float un	s for the applic It not exceedin Jal to the Pmay a of Entity para Room apparate ax ). Ion should be i <i>lectrical Code</i> , used wires in o	e third party approved as provi cation, and have Voc or Vt not ig Imax, and the Po of the barr is of the intrinsically safe equip interes. us shall not generate in excess n accordance with Article 504 i ANSI/NFPA 70 and ISA RP-12 cable. Insure that these wires a other conductors.	exceedii ier must ment, as s of in the 2.06.01	ng Vm be les	ax ss	
Serie	es L		EFGHIIIJK essure connection: A.B.C.R.1.5.7								
			citation/output: 1,2,3,4,5,6,7,8,A,B,C	D.E.F.G							
			ble type: A,B,C	P							
		D = ac	curacy: A,B,C,D,E,F,T,S,R	WARNING!							
			rinsic safety approvals: A,B,C	AGENCY APPROVI	ED DRAWING	6. REVISIONS I	MUST BE SUBMITTED FOR AG	ENCY A	PRO	/A	
			pel: A,B,J,K aterial: S T	This d	ocument is t	he sole proper	ty of Measurement Specialties	Inc.		-	
G = material: S,T H = electrical connection: A,B,D,F,1,2 III = pressure range: 0-2000 psi J = units: P,F,M,K				Reproduction prohibited with	or disclosu out the expr	re of any or al	l information contained here permission of Measurement	in is str			
			ssure type: G,S,A	DO NOT SCALE DRAWING UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES ANGLES ±1 DECIMALS XX = ±.02 XX = ±.05	drawn	DATE 4/24/00	SPECIALTIES		t		
				.XXX = ±.005 RUNOUT ±.015 CONCENTRICITY ±.005	CHECKED APPROVI	D DATE	PRODUCT TITLE LIQUID L	EVEL			
						and the second sec					
				SURFACE FINISH IN MICROINCHES RMS UNLESS SHOWN OTHERWISE	eor approve GWH	D DATE	CERTIFICATION D	RAWI	NG,	ι	
				SURFACE FINISH IN MICROINCHES RMS UNLESS SHOWN OTHERWISE MATERIAL	GWH	D DATE	CERTIFICATION D	RAWI		L	







# **( E** Certificate of Compliance

September 9, 2016

We,

TE CONNECTIVITY SENSORS Certify that the products listed below:

Series 27, 28, 30 Series 300DS, 320, 330, 335, 342 Series 700, 705, 710, 720, 730, 735, 745, 750

Comply with the specifications published in the following standard:

EN 61326-1:2013 & EN 61326-2-3:2013 Immunity & Emissions Standards

- Basic Electromagnetic Environment
- During testing there was a temporary degradation, or a loss of function or performance that was self-recovering.

97/23/EC Pressure Equipment Directive

RoHS2 – These products comply with Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Certified by:

**Greg Hall** Senior Design Engineer TE Connectivity Sensor Solutions <u>Gregory.Hall@TE.com</u>

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