DYTR	AN PROPRIETARY									
HE INFORMATION	I CONTAINED IN THIS DR IMENTS, INC. AND ANY F THER DISSEMINATION O IISSION OF DYTRAN INS	AWING IS THE S	OLE PROPERTY OF		REV	ECN	DESCRIPTION	BY/DATE	СНК	APF
HOLE OR ANY O WRITTEN PERM	HER DISSEMINATION O	F THIS INFORMAT TRUMENTS, INC.	TION WITHOUT THE IS PROHIBITED.		А	8074	UPDATED FORMAT	RA, 11/17/11	15	D
MODEL	SENSITIVITY		RANGE F.S.		L					00
1203V1	50 mV/Lb	90	100 Lb		I					
1203V2	10 mV/Lb	450	500 Lb			_				
1203V3	5 mV/Lb	850	1000 Lb			_ `				
1203V4	1 mV/Lb	1800	5000 Lb				Ø 1.100 [Ø27.94]			
1203V5	0.5 mV/Lb	1800	10,000 Lb							
							Ø .400 THRU HOLE [Ø10.16]			
				.500[12.70]	Ø.88 [Ø22.3] 1203 S/N X			CATION -32 COAXIAL .ECTRICAL CON	INECTOF	
. WEIGHT:	50 GRAMS.				Ø .97	,	мо	UNTING SURFA	CE	
	MENTAL SEAL:				[Ø24.		-		ł	
			CES:		1.45					
. MATERIA	AL: LOAD-BEARI ED 17-4 PH STA				Lan ol				3 · ·	
. MATERIA HARDEN AND COI	ED 17-4 PH STA NNECTOR: 300 S	INLESS ST	EEL. HOUSING AINLESS STEEL.		[36.8]					
MATERIA HARDEN AND COI	ED 17-4 PH STA NNECTOR: 300 S	INLESS ST	EEL. HOUSING				MASTE	ER		
MATERIA HARDEN AND COI POLARIT	ED 17-4 PH STA NNECTOR: 300 S	INLESS ST SERIES ST DING WITH	EEL. HOUSING AINLESS STEEL. COMPRESSION.							
. MATERIA HARDEN AND COI . POLARIT	ED 17-4 PH STA NNECTOR: 300 S Y: POSITIVE-GO	INLESS ST SERIES ST DING WITH WISE SPE	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED DTHERWISE SPECIFIED: TDIM & TOL PER ASME	CONTRACT NO		RZA MENTS,	INC. ONLY IF IN	ER RED <sub>CH</sub>	ATSWOF	TH, CA
MATERIA HARDEN AND COI POLARIT	ED 17-4 PH STA NNECTOR: 300 S Y: POSITIVE-GO	INLESS ST SERIES ST DING WITH WISE SPE UNLESS C INTERPRE Y14.5M-19 COUNTER	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED THERWISE SPECIFIED: TO IM & TOL PER ASME 194. REMOVE BURRS SINKS INTERNAL THDS 90°		SCALE DESIGN 2X NC	RZA MENTS,	INC. ONLY IF IN	RED CH/	ATSWOR	TH, C/
MATERIA HARDEN AND COI POLARIT	ED 17-4 PH STA NNECTOR: 300 S Y: POSITIVE-GO	INLESS ST SERIES ST/ DING WITH WISE SPE UNLESS C INTERPRE Y14/5M-19 COUNTER TO MAJOF	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED THERWISE SPECIFIED: TT DIM & TOL PER ASME 994, REMOVE BURRS ISINKS INTERNAL THDS 90° R DIA CHAM EXT THDS 45° A DIA THO LENGTHS AND		SCALE DESIGN 2X NC	RZA MENTS,	INC. ONLY IF IN 10-10-07	RED CH/	ATSWOR	TH, C/
MATERIA HARDEN AND COI POLARIT OTES: U	ED 17-4 PH STA NNECTOR: 300 S Y: POSITIVE-GC NLESS OTHEF	INLESS ST SERIES ST DING WITH WISE SPE UNLESS C INTERPRE Y14.5M-19 COUNTER TO MAJOF DEPTHS A 7742.	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED DTHERWISE SPECIFIED: TDIM & TOL PER ASME 194.REMOVE BURRS ISINKS INTERNAL THDS 90° 3 DIA CHAM EXT THDS 45°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE:	SCALE DESIGN 2X NC PRAWN C CHECKED DA		10-10-07 MODEL SERIES	RED CH/		F
MATERIA HARDEN AND COI POLARIT OTES: U USED ON	ED 17-4 PH STA NNECTOR: 300 S 'Y: POSITIVE-GC NLESS OTHEF NEXT ASSY PPLICATION	INLESS ST SERIES ST DING WITH WISE SPE UNLESS C INTERPRE Y145M-19 COUNTER TO MAJOF DEPTTAS TO MAJOF DEPTTAS TO MAJOF DEPTTAS FINISHING	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED DTHERWISE SPECIFIED: TDIM & TOL PER ASME 994. REMOVE BURRS ISINKS INTERNAL THDS 90° ISINKS INTERNAL THDS 90° ISINKS INTERNAL THDS 45° A DIA THD LENGTHS AND INE FOR THDS PER MIL-S- DNS APPLY AFTER 3.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES METRIC ANGLE .XX ±03 .X ±0.8 ±1°	SCALE DESIGN 2X NC DRAWN DA CHECKED DA CHECKED DA CHECKED DA	DATE TE 12/17/0 75 75 75 75 75 75 75 75 75 75	INC. ONLY IF IN 10-10-07 1 PART NO. MODEL SERIES 3 MAT'L - NEXT ASSEMBLY	<b>RED</b> <sub>CH</sub>	ATSWOR	F
USED ON	ED 17-4 PH STA NNECTOR: 300 S 'Y: POSITIVE-GC NLESS OTHEF	INLESS ST SERIES STA DING WITH WISE SPE UNLESS C INTERPRE Y145M-19 COUNTER TO MAJOF DEPTTA DIMENSIC FINISHING ALL MACH	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED DITHERWISE SPECIFIED: TDIM & TOL PER ASME 994. REMOVE BURRS SINKS INTERNAL THDS 90° IN CHAM EXT THDS 45° A DIA THD LENGTHS AND INE FOR THDS PER MIL-S- INS APPLY AFTER 3.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES METRIC ANGLE	SCALE DESIGN 2X NC DRAWN DA CHECKED DA CHECKED DA CHECKED DA	MENTS, MENTS, 12/17/0 TE 12/17/0	INC. ONLY IF IN 10-10-07 1 PART NO. MODEL SERIES 3 MAT'L - NEXT ASSEMBLY	<b>RED</b> <sub>CH</sub>	SERIES	F
USED ON	ED 17-4 PH STA NNECTOR: 300 S 'Y: POSITIVE-GC NLESS OTHEF NEXT ASSY PPLICATION IGLE PROJECTION	INLESS ST SERIES STA DING WITH WISE SPE UNLESS COUNTER TO MAJOF TO MAJOF TO MAJOF TO MAJOF TO MAJOF TO MAJOF TO MAJOF FINISHING FINISHING ALL MACH TOTAL RU SHARP EL	EEL. HOUSING AINLESS STEEL. COMPRESSION. ECIFIED DTHERWISE SPECIFIED: TDIM & TOL PER ASME 994. REMOVE BURRS ISINKS INTERNAL THDS 90° ISINKS INTERNAL THDS 90° ISINKS INTERNAL THDS 45° A DIA THD LENGTHS AND INE FOR THDS PER MIL-S- DNS APPLY AFTER 3.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSION IN BRACKETS [] ARE IN MILLIMETERS. TOLERANCES ARE: INCHES METRIC ANGLE .XX ±.03 .X ± 0.8 ± 1° .XXX ±.010 .XX ± 0.25 FINISH	SCALE DESIGN 2X NC DRAWN DA CHECKED DA R.A. CHECKED DA R.A. CHECKED DA N.C. TITLE	DATH MENTS, 12/17/0 158/01/00 1758/01/00 JTLINI	INC. ONLY IF IN 10-10-07 1 PART NO. MODEL SERIES 3 MAT'L - NEXT ASSEMBLY	RED         CH/           1203V	SERIES 0.	R

Model Number 1203V3	PERFORMANCE SPECIFICATION									Doc No PS1203V3
					Force Se	nsors, IEPE				REV B, ECN 8761, 06/20/1
	-					This family a	also includes:	•		
		• RING STYLE FO	RCE SENSOR			Model	Sensitivity (mV/Lb)	Range (Lbs.Force)	Max.Force (Lbs.Force)	Discharge T.C. (sec
		• HERMETICALL				1203V1	50	100	200	90
		EXCELLENT LI	-			1203V1	10	500	1,000	450
120									,	
						1203V4 1203V5	1	5,000	10,000	1800
1203VX S/N: XXXX							0.5	10,000	15,000	1800
		ENGLISH	1	SI		Please refer t	to the performance specifi	cations of the products in	this family for detailed desc	ription
PHYSICAL Weight, Max.		4 75		50	aromo	Cumplied Ac				
Connector [1]	Turne	1.75 10-32	oz	50 10-32	grams	Supplied Ac	<u>cessories:</u> I calibration certificate (ISC	17025)		
	Type Material	Stainless steel	-	Stainless steel		T) Accredited	Calibration certificate (ISC	J 17025)		
lousing	Material	Stainless steel	-	Stainless steel	_	Notes:				
locollig	Isolation	Case grounded		Case grounded	-		ounted with 10-32 recepta	acle micro coaxial connect	or	
Sensing Element	Material	Quartz		Quartz	-					
	Mode	Compression	1 -	Compression	-	<ul> <li>[2] Percent of full scale or any lesser range, Zero based best-fit sraight line method.</li> <li>[3] Power these instruments only with constant current type power units. Do no connect to</li> </ul>				source of
	Mode	Compression		Compression	_		ut current limiting. This will			
PERFORMANCE		-	L	:	<b>,</b>	1		TYPICAL LINEARIT		
Sensitivity, ± 10 %		5	mV/Lb	1.24	mV/N	1				
Compression Range		1,000	Lb Force	4.45	kN		ange	A	ctual Output	
Maximum Compression		5,000	Lb Force	22.24	kN		~			
Discharge Time Constant		850	Seconds	850	Seconds		Zero bas	ed best-fit straight line		
Broadband Resolution		0.00014	Lb, rms	6.23E-07	kN, rms m/s^2		Â.			
Maximum Unloaded Shock		5,000	g's g's,Peak	98,100 49,050	m/s^2 Peak		E -			
inearity [2]		± 1	% Full Scale	± 1	% Full Scale		Output			
Resonant Frequency		>75	kHz	>75	kHz		U			
Stiffness		20	Lb/µin	3.46	kN/μm				± 1% of Zero Based Best Fit -	
sumess		20	Lo/pin	3.40	кіміріні				Line Full Scale Output	
ENVIRONMENTAL							0		Full Range	
Coefficient Of Thermal Sensitivity		0.03	%/°F	0.05	%/°C		0	Force (Lb)	Full Range	
Operating Temperature		-100 to +250	°F	-73 to +121	°C		01	10	G 70	
Environmental Seal		Hermetic		Hermetic	- Ŭ		Ø1.1 [27.9		Ø.79 [20.1]	
		Hormotio		Tioffilotio					X	
ELECTRICAL									$\mathcal{N}$	
Supply current		2 to 20	mA	2 to 20	mA					
/oltage Range [3]		18 to 30	VDC	18 to 30	VDC	1				
Full Scale Output Voltage		5	Volts	5	Volts	1				
Dutput Impedence		<100	Ω	<100	Ω		Ø.40 THF [10.2]	RU HOLE	$\sim$	
Bias Voltage		7.5 to 9.5	VDC	7.5 to 9.5	VDC		[10.2]	$\prec$	Ø.74	
		1.0 10 0.0		1.0 10 0.0					Ø.74 [18.8]	
								<b>-</b>		
						1		[30.4]		
						1	•		<u> </u>	
						1	.50	.44		
							[12.7]	[1]	Ø.30 [7.6]	
						1		<u>+  </u>		
									.24	
						1		φ1.10 [27.9]	[6.2]	
									10001/1	
						Units on the line d	rawing are in inches, units in brack	ets are in millimeters. Refer to 127	1203V for more information.	
15										
		21592 Marilla S	tract Chotow	orth Colifornia	01011 Dh		00 7040 Eave040	700 7000	hutron com	