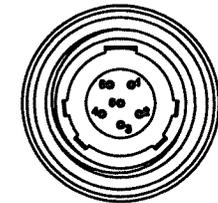
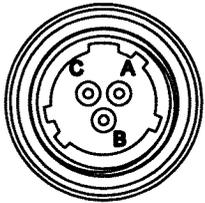
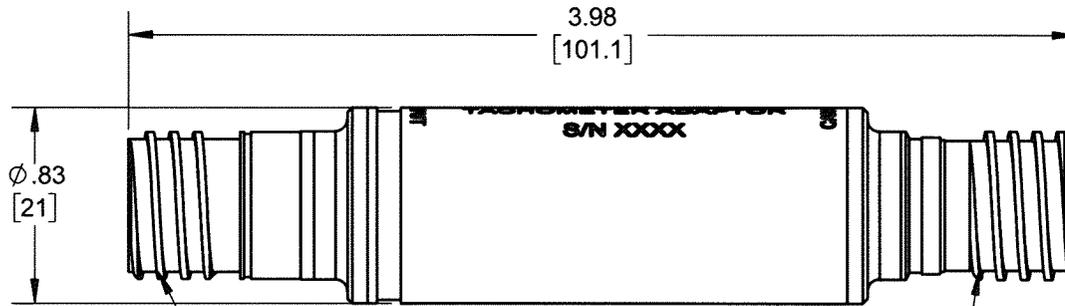


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14737	INITIAL RELEASE: SAME AS REV X2	AM 11/26/18	DP	<i>DP</i>



PIN A - SIGNAL INPUT
 PIN B - TACHOMETER GND/RET
 PIN C - TACHOMETER PWR

CONNECTOR RECEPTACLE,
 3-PIN, D38999/25YA98PA
 MATES WITH
 D38999/26KA98SA

CONNECTOR, 6-PIN,
 D38999/25YA35PN
 MATES WITH
 D38999/26WA35SN

PIN 1 - CAN HI
 PIN 2 - CAN LO
 PIN 3 - POWER
 PIN 4 - GND RET
 PIN 5 - GATE
 PIN 6 - BOOT RST

2. MATERIAL: 300 SERIES STAINLESS STEEL.

1. WEIGHT: 85 GRAMS, MAX.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 X ± 0.8 ± 1° .XXX ± .010 .XX ± 0.25	
MATERIAL	
FINISH	
DO NOT SCALE DRAWING	
ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.	

CONTRACT NO.

DYTRAN INSTRUMENTS, INC. **MASTER ONLY**
 Chatsworth, CA

TITLE:
**OUTLINE/INSTALLATION DWG,
 MODEL 4765A**

APPROVALS		DATE
ORIG	LN	06/20/14
CHK	<i>DP</i>	12/4/18
APP	<i>DP</i>	1/6/19
APP		

SIZE A	CAGE CODE 2W033	DWG. NO. 127-4765A	REV A
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



- TRANSLATES TACH INPUT INTO DIGITAL OUTPUT
- CAN-MD® SENSOR NETWORK COMPATIBLE
- OPTICAL & HALL EFFECT SENSOR COMPATIBLE
- HERMETICALLY SEALED

PHYSICAL

Weight, Max.
Input Connector [1] Type
Output Connector [2] Type
Housing Material

	ENGLISH		SI	
Weight, Max.	3	oz	85	grams
Input Connector [1] Type	3-PIN, D38999/25YA98PA		3-PIN, D38999/25YA98PA	
Output Connector [2] Type	6-PIN, D38999/25YA35PN		6-PIN, D38999/25YA35PN	
Housing Material	300 Series S.S.		300 Series S.S.	

PERFORMANCE (SYSTEM)

Input Range
Output Range
Resolution/Accuracy .01 Hz
0.1 Hz
1 Hz
10 Hz
Window Size
Broadcast Rate
Normal Low Threshold (L) [5]
Normal High Threshold (N) [5]
Exceedance Speed High (H) [5]
Exceedance (X) [5]

Input Range	0.5 - 8190	Hz	0.5 - 8190	Hz
Output Range	0 - 8190	Hz	0 - 8190	Hz
Resolution/Accuracy .01 Hz	0 - 9.99	Hz	0 - 9.99	Hz
0.1 Hz	0 - 99.9	Hz	0 - 99.9	Hz
1 Hz	0 - 999	Hz	0 - 999	Hz
10 Hz	0 - 8190	Hz	0 - 8190	Hz
Window Size	0.2 to 10	sec	0.2 to 10	sec
Broadcast Rate	0.2 to 60	sec	0.2 to 60	sec
Normal Low Threshold (L) [5]	< 500	Hz	< 500	Hz
Normal High Threshold (N) [5]	500 < N < 1500	Hz	500 < N < 1500	Hz
Exceedance Speed High (H) [5]	1500 < N < 2000	Hz	1500 < N < 2000	Hz
Exceedance (X) [5]	2000 < N	Hz	2000 < N	Hz

ENVIRONMENTAL

Maximum Shock
Temperature Range
Seal

Maximum Shock	±2000	g's, peak	±19620	m/s ² peak
Temperature Range	-55 to 250	°F	-49 to 121	°C
Seal	Hermetic		Hermetic	

Electrical

Supply Current Range [3]
Operating Voltage
Output
Baud Rate

Supply Current Range [3]	<70	mA	<70	mA
Operating Voltage	10 to 30	Volts	10 to 32	Volts
Output	CAN 2.0 B		CAN 2.0 B	
Baud Rate	500	kbit/sec	500	kbit/sec

This family also includes:

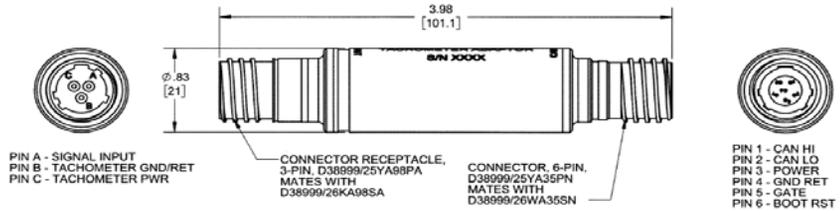
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] D38999/25YA98PA connector receptacle, mates with D38999/26KA98SA
- [2] D38999/25YA35PN connector, mates with D38999/26WA35SN
- [3] Do not apply power to this system without current limiting, 150 mA MAX.
- [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- [5] The measured frequency threshold values can be set to different ranges to display: Low (L), Normal (N), High (H), & Exceedance (X) speeds. The assigned frequency speeds are set as default parameters.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4765A for more information.



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