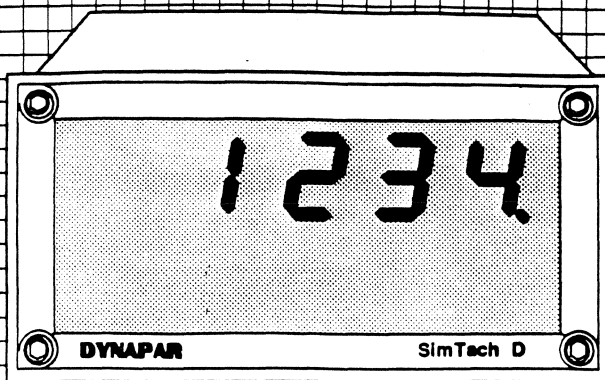


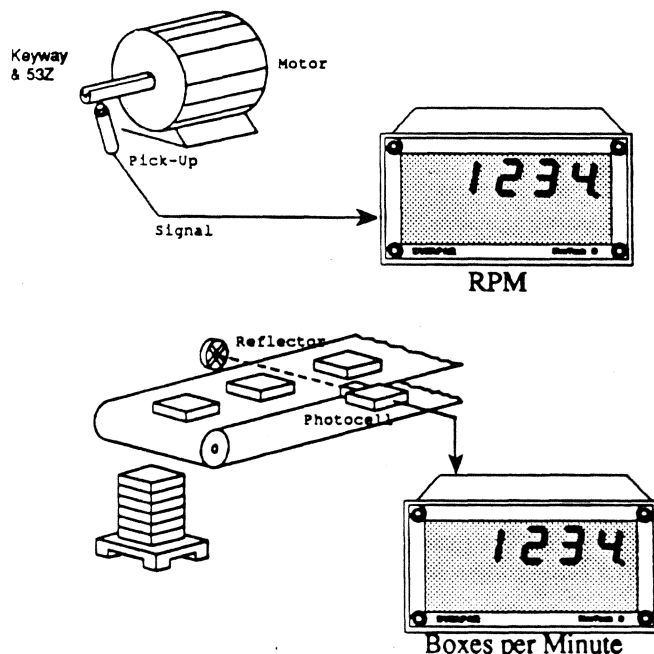
SimTach D RATE INDICATOR 1 PPR VERSION



The **SimTach D** is a digital rate indicator. No programming simplifies installation, and advanced operation make it the best value for industrial indicator applications.

TIME INTERVAL MEASUREMENT

Input counts are accumulated, and the time between pulses is measured by a 5 MHz clock. Rate is obtained by the Micro Processor taking the reciprocal of the time interval. A measurement is completed and a new one begun on the same pulse, so that no input information is lost. The update time is .7 seconds + 1 cycle.



SPECIFICATIONS...

Input Power:

AC (-0 version)	115 nominal, 95 to 130 VAC
AC (-E version)	230 nominal, 190 to 260 VAC
	50/60 Hz, 6 VA
DC Option (-D version)	10 to 26 VDC, 0.4 A. max. total

Accessory Power: 12 VDC $\pm$ 25% @ 0 to 125 mA.

Measurement:

Time interval .7 seconds + 1 cycle

Signal Input A:

Solid State, Open Collector:

Input High:	open or 3.5 min to 30 max VDC
Input Low:	0 min to 1.5 max VDC
Input Impedance:	3.3 k Ω typ to +5 VDC
Input Current:	1.5 mA min sink
Input Response:	50 μ s min high and low time
Input Rate:	.2 Hz to 10 kHz

Signal Input B:

Magnetic:

Input High:	+0.1 min to +30 volts peak
Input Low:	-30 min to -0.1 volts peak
Input Impedance:	10 k Ω typ to Common
Input Current:	0.01 mA min sink and source
Input Response:	50 μ s min high and low time
Input Rate:	.2 Hz to 10 kHz

Display:

Decades: 5 decade, 0.56" red LED

Mechanical:

Enclosure:	Extruded aluminum with molded Valox bezel NEMA 4 Front panel
Overall Size:	1.98"H x 3.78"W x 6.03"D
Cutout:	1.78" -0/+0.04" x 3.58" -0/+0.04"
Panel Thickness:	1/16" to 1/4"
Depth Behind Bezel:	5.68"
Weight:	1.4 lbs

Environmental:

Operating Temp:	0 to 50 $^{\circ}$ C. (32 to 122 $^{\circ}$ F.)
Storage Temp:	-18 to 85 $^{\circ}$ C. (0 to 186 $^{\circ}$ F.)
Ambient Humidity:	0 to 90% and noncondensing

Error Codes: (automatically reset)

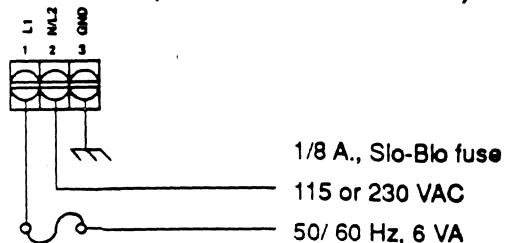
2. Low AC line voltage
4. Input above 10 KHZ
5. NonVolatile RAM failure
99. Overrange (Result is too large)

DYNAPAR CORPORATION

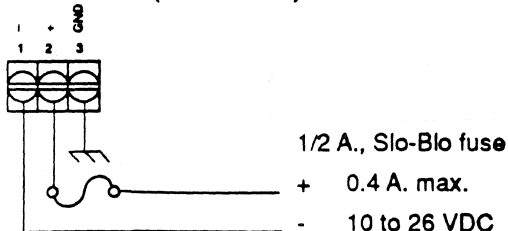
INSTALLATION...

A. INPUT POWER

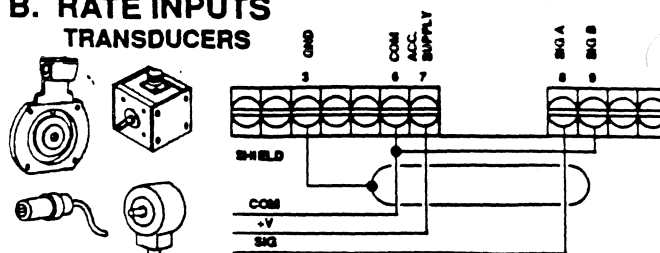
AC POWER (ST-D-00-01 or ST-D-E-001)



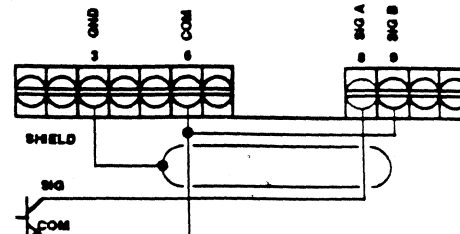
DC POWER (ST-D-D-001)



B. RATE INPUTS TRANSDUCERS



OPEN COLLECTOR DEVICES



Always connect the unused signal A or B input to common.

ORDERING INFORMATION...

1 Pulse per revolution transducer input.

ST-D-0-001 115 VAC POWER
ST-D-E-001 230 VAC POWER
ST-D-D-001 10-26 VDC POWER

60 Pulse per revolution transducer input.

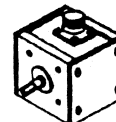
ST-D-0-002 115 VAC POWER
ST-D-E-002 230 VAC POWER
ST-D-D-002 10-26 VDC POWER

TRANSDUCERS

Series 53 Zero-Speed Pickups



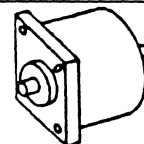
Series 31
QUBE
Rotopulser®



Series 60
Rotopulsers®



Series 40
Rotopulser®



WARRANTY

Standard products manufactured by the Company are warranted to be free from defects in workmanship and material for a period of one year from the date of shipment, and products which are defective in workmanship or material will be repaired or replaced, at the option of the Company, at no charge to the Buyer. Final determination as to whether a product is actually defective rests with the Company. The obligation of the Company hereunder shall be limited solely to repair and replacement of products that fall within the foregoing limitations, and shall be conditioned upon receipt by the Company of written notice of any alleged defects or deficiency promptly after discovery within the warranty period, and in the case of components or units purchased by the Company, the obligation of the Company shall not exceed the settlement that the Company is able to obtain from the supplier thereof. No products shall be returned to the Company without its prior consent. Products which the Company consents to have returned shall be shipped F.O.B. the Company's factory. The Company cannot assume responsibility or accept invoices for unauthorized repairs to its components, even though defective. The life of the products of the Company depends, to a large extent, upon the type of usage thereof, and THE COMPANY MAKES NO WARRANTY AS TO FITNESS OF ITS PRODUCTS FOR SPECIFIC APPLICATIONS BY THE BUYER NOR AS TO PERIOD OF SERVICE UNLESS THE COMPANY SPECIFICALLY AGREES OTHERWISE IN WRITING AFTER THE PROPOSED USAGE HAS BEEN MADE KNOWN TO IT.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

SERVICE: If this product requires service, call DYNAPAR for an Return Material Authorization (RMA) number, pack it in a sturdy carton and ship prepaid to: Service Dept. at the address below.

Include: 1. Description of problem 2. Name of responsible person 3. Purchase order number 4. Return shipping instructions

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