



2. WEIGHT-WITHOUT OUTER CASE: 2 LBS., 6 OZ.
WEIGHT WITH OUTER CASE: 2 LBS., 15 OZ.

1 WHEN RACK MOUNTED, 4151M13 MUST BE SUPPORTED AT THIS
SURFACE BY CROSS MEMBER OR OTHER SUPPORT
STRUCTURE.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX ± z	.XX ± .01
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
THESE DIAS (C) TO	T.I.R.
FILLET'S -	MAX. RAD.

DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSWORTH, CA.	
SCALE	.66X	REV	-	DATE	-
DATE	10-24-03	PART NO.			
DRAWN	N.C.	CHECKED	R.A.	MATL	
APPROVED	10-28-03	NEXT ASSEMBLY		USED ON	
TITLE			DWG. NO.		
OUTLINE/INSTALLATION DRAWING, MODEL 4151M13			127-4151M13		
			SHEET 1 OF 1		

SPECIFICATIONS, MODEL 4151M13 TRUE RMS VIBRATION METER

SPECIFICATION	VALUE	UNITS
"G" RANGES, F.S. [1]	50, 10, 5 & 1	G's
VOLTAGE RANGES, F.S. (external input jack)	5, 1.0, 0.50 AND 0.10	VOLTS, RMS
ACCURACY [2]	+/- 2	%FS
FREQUENCY RESPONSE, ±5% WITH FILTER SWITCH IN 2K POSITION , @FULL SCALE INPUT LEVEL		
ALL RANGES	1 to 670	Hz
FREQUENCY RESPONSE, ±3db WITH FILTER SWITCH IN 2K POSITION , @FULL SCALE INPUT LEVEL		
ALL RANGES	1 to 2000	Hz
FREQUENCY RESPONSE, ±5% WITH FILTER SWITCH IN 5K POSITION , @FULL SCALE INPUT LEVEL		
ALL RANGES	1 to 1.670K	Hz
FREQUENCY RESPONSE, ±3db WITH FILTER SWITCH IN 5K POSITION , @FULL SCALE INPUT LEVEL		
ALL RANGES	1 to 5000	Hz
DC OUTPUT VOLTAGE, F.S.	0 to 10	VDC
OUTPUT IMPEDANCE of 0-10 VDC OUTPUT	50	OHMS
OUTPUT IMPEDANCE, MONITOR JACK	100	OHMS
INPUT IMPEDANCE, EXTERNAL INPUT	200	KOHMS
PANEL METER	TAUT BAND, MOVING COIL, SCALE LENGTH, 2.41 INCHES	
ELECTRICAL JACKS		
ACCEL (SENSOR)	BNC, REAR PANEL	
MONITOR	BNC, FRONT PANEL	
EXTERNAL INPUT	BNC, REAR PANEL	
0-10 VDC OUTPUT	BNC, REAR PANEL	
SENSOR SUPPLY CURRENT, NOM.	4.0	mA
SENSOR COMPLIANCE VOLTAGE	+20	VDC
OVERALL SIZE, LESS OUTER CASE (H x W x D) [3]	5.22 x 3.05 x 8.06	INCHES
OVERALL SIZE, WITH OUTER CASE (H x W x D)	5.50 x 3.12 x 8.06	INCHES
WEIGHT LESS OUTER CASE	2.38	Lbs
WEIGHT WITH OUTER CASE	2.94	Lbs

[1] "G" ranges cited are valid only when used with 100 mV/G accelerometer such as Dytran's Model 3100B. Multiply ranges by 10 when using a 10 mV/G accelerometer such as Dytran's Model 3010B.

[2] Meter accuracy only. Accelerometer accuracy will affect system accuracy.

[3] Mounts in standard 19 inch wide x 5.25 high equipment racks such as Dytran's Model 4200 rack. Up to 5 units may be mounted in a rack.