

VIBRATION LEVEL TEST MODULE



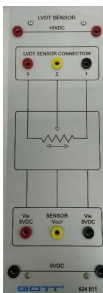
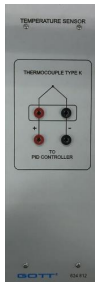


Model Number : GOTT-MFSS-VLTM1



DESCRIPTION

This Test Module has been designed to teach mechanical vibration and displacement variable measurement techniques. On the upper side of the test module there is a girder or elastic/vibrant sheet that is the one carrying the sensors, which can have many applications depending on the use we give to them during the performing the practices with the unit. This girder is strongly fixed to the module chassis in one of its ends. This enables this free projection system to vibrate on a flat surface but also turns it resistant to the movement of other surfaces. On the girder bottom there are different types of sensors that work in different ways. When the girder is distorted, the surfaces are in traction or compression, as appropriate. Is at this moment when the sensor outlets are to be analyzed. Near the girder fixed end there is also a mechanism to heat the system and a thermocouple to measure the temperature which is used to determine the dependence that studied material has on the temperature. On the girder free end there are control instruments that can determine the movement variations, as for example lineal displacement and deformations. The girder end vertical column has a coil that provides a signal that is proportional to the speed and a measurement system that can be used to give a signal that is proportional to the displacement.

PRODUCT MODULES

MAINS POWER SUPPLY	CODE 452-026	DC POWER SUPPLY	CODE 955-124	LVDT SENSOR	CODE 624-811	TEMPERATURE SENSOR	CODE 624-812
<ul style="list-style-type: none"> Input voltage: AC220-240V 		<ul style="list-style-type: none"> Input voltage: AC220-240V Output Voltage: <ul style="list-style-type: none"> +24VDC/2A +12VDC/7A +5VDC/7A 		<ul style="list-style-type: none"> Range: 0-5MM Output: 0-5VDC Power Supply : 0-5 VDC 		<ul style="list-style-type: none"> Thermocouple Type K 50 deg C - 350 deg C 	
<ul style="list-style-type: none"> Vibrant Girder Vibrator Vibrator Sensor 	CODE 624-813	<ul style="list-style-type: none"> 5pcs/lot high precision strain gauge strain gauge gage full weight sensor pressure sensor 	CODE 624-856	<p>EXPERIMENT TOPICS :</p> <ul style="list-style-type: none"> Effect of deformation on the elastic plate To measure the deformation of elastic plate using strain gauge Effect of temperature variation on the strain gauge To measure the temperature of the elastic plate using thermocouple type K To measure the vibration of vibration plate using vibrator sensor To measure the output of LVDT sensor 			

Manuals :

- (1) All manuals are written in English.
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :
2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
VIBRATION LEVEL TEST MODULE	GOTT-MFSS-VLTM1	624-800

*Proposed design only, subject to changes without any notice.