

LIGHT TEST MODULE

Model Number : GOTT-MSFSS-LTM10







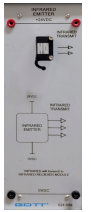







DESCRIPTION

The objective of this module is to show some of the techniques used to measure light or illumination intensity. The module is equipped with a lamp whose light intensity can be controlled by the variation of the voltage supplied. This module has: Lamp, Photo diode, Photo transistor, Light Dependent Resistance {LDR}, Photo-voltaic Cell and Infrared emitter-receiver.

EXPERIMENT TOPICS

- Study of the Equivalent Electrical Circuit of A Photodiode & Study The V-I Characteristic of A Photodiode.
- Study of the Normal Operation Mode of Photodiode & Study the “On/Off” Operation (Light Switch) of a Phototransistor.
- Measurement of Light Intensity Using a Solar Cell
- Study The Properties of Light Dependent Resistor (Ldr).
- Study of The Operation of IR Sensor
- Study of a Real Application for Controlling the Light Intensity Using PID Control Elements.

PRODUCT MODULES

SINGLE PHASE AC POWER SUPPLY	CODE 967-004	PHOTODIODE	CODE 624-601	PHOTOTRANSISTOR	CODE 624-602	LIGHT DEPENDENT RESISTANCE (LDR)	CODE 624-603
<ul style="list-style-type: none"> • Input: AC220V~240V 		<ul style="list-style-type: none"> • Photodiode • +12 VDC/5VDC 		<ul style="list-style-type: none"> • Phototransistor • +12 VDC/5VDC 		<ul style="list-style-type: none"> • LDR • +12 VDC/5VDC 	
<ul style="list-style-type: none"> • 24 VDC • Infrared Trasmmitter 	CODE 624-604	<ul style="list-style-type: none"> • 24 VDC • Infrared receiver 	CODE 624-605	<ul style="list-style-type: none"> • LED lamp module • 5VDC input 	CODE 624-606	<ul style="list-style-type: none"> • Photo-voltaic cell module • VDC output 	CODE 624-607
<ul style="list-style-type: none"> • DC 12V Input • DC 0-12V output 	CODE 624-608	<ul style="list-style-type: none"> • DC lamp module • 12VDC input 	CODE 826-301	<ul style="list-style-type: none"> • DC Voltmeter • DC Ammeter 	CODE 159-008	<ul style="list-style-type: none"> • Input voltage: AC220-240V • Output Voltage: <ul style="list-style-type: none"> • +24VDC/2A • +12VDC/7A • +5VDC/7A 	CODE 955-124

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	MODELNUMBER	CODE
LIGHT TEST MODULE	GOTT-MSFSS-LTM10	624-809

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