

COMPUTER CONTROLLED BASE UNIT

Model Number : GOTT-MSFSS-CCBU












DESCRIPTION

The Computer Controlled Base Unit is a complete unit designed to provide signal conditioning for many sensors and transducers output signals that must be conditioned before a data acquisition system can effectively and accurately acquire the signal. These circuits consist of differential and instrumentation amplifiers, filters, current to voltage and frequency to voltage converters, etc, developed for transducers such as potentiometers, RTD's, thermocouples, waveform generator, Wheatstone Bridge, PID controller, etc. This elements that can be used to introduce students the concepts about process control. The sensors connect to the Base Unit and with power supplies through 2 mm terminals located in the front panel of each test module. The test modules may operate independently one of another.

EXPERIMENT TOPICS

- Low Pass Filter
- High Pass Filter
- Inverting Operational Amplifier
- Inverter
- Non-Inverter Operational Amplifier
- Voltage Follower
- Wheatstone Bridge

PRODUCT MODULES

MAINS POWER SUPPLY CODE 452-026	DC POWER SUPPLY CODE 955-124	PID CONTROLLER CODE 624-891	DC VOLTMETER CODE 624-896
<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"> Intelligent Universal PID process controller Power supply: 24 VDC 	<ul style="list-style-type: none"> Analog Voltmeter (-10V to 10V) Digital Voltmeter (0 to 100V) 
PWM FREQUENCY GENERATOR CODE 624-895	WAVEFORM GENERATOR CODE 624-834	AC/DC POWER SUPPLY CODE 624-835	MAGNETIC BLOCK CODE 624-836
<ul style="list-style-type: none"> Working voltage: 3.3-30V Frequency range: 1Hz-150KHz 	<ul style="list-style-type: none"> Waveform: \uparrow, \downarrow, \square, \wedge, ∇ 	<ul style="list-style-type: none"> Upper Part Heating Block (-80°C) Lower Part Heating Block(-40°C) 	<ul style="list-style-type: none"> Magnetic Bar 
TEMPERATURE SENSOR CODE 624-812			
<ul style="list-style-type: none"> 50 °C - 350 °C 			

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
COMPUTER CONTROLLED BASE UNIT	GOTT-MSFSS-CCBU	624-810

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