

## PB-505

### POWER

3-wire AC line input (115V/230V 50-60Hz or 230V 50Hz)-(specify when ordering ) with power indicator.

### POWER SUPPLIES

Fixed DC output: +5VDC @ 1.0A, ripple <5mV

Variable DCO/P +1.3V to +15V @ 0.5A, ripple <5mV

Variable DCO/P -1.3V to -15V @ 0.5A, ripple <5mV

Fixed AC O/P 12.6 VAC Center tapped @ 100mA

### FUNCTION GENERATOR

Frequency Range 0.1Hz to 100KHz in six ranges

Output voltage 0 to +10V (20Vp-p)

Output impedance 600 ohms (except TTL)

Output Current 10 mA max., short circuit protect-ed

Output waveforms Sine, Square, Triangle, TTL

Sine wave Distortion < 3% (10Hz to 100KHz)

TTL Pulse Rise and fall time <25ns  
Drive 10 TTL loads

Square wave Rise and fall time <1.5µs

### LOGIC INDICATORS

16 LED's 8 red to indicate logic high, 8 green to indicate a logic low.

### LOGIC PROBE

Built-in TTL/CMOS compatible logic probe.

Captures fast single shot events and pulse trains.

Input impedance 300K $\Omega$ , overload protection +50VDC, min., detectable pulse width 100nsec. TTL threshold low +0.8V high +2.25V, CMOS threshold low +30%Vcc high +70%Vcc. Memory mode, latches on first transition and LED remains on until probe is reset

### DEBOUNCED PUSHBUTTONS (PULSER)

Two push-button operated, open-collector output pulsers, each with one normally-open and one normally- closed output. Each output can sink up to 25mA.

### POTENTIOMETERS

One 1K $\Omega$ , one 10K $\Omega$ , all leads available and uncommitted.

### SWITCHES

Two SPDT slide switches, all leads available and uncommitted.

### LOGIC SWITCHES

8 individual SPDT logic switches, one side of all eight switches connected and switchable to +5V or ground, other side of all eight switches separate, and uncommitted.

### BNC CONNECTOR

Two BNC connectors, pin available and uncommitted, shell connected to ground.

### SPEAKER

0.25W, 8 $\Omega$

### BCD TO 7 SEGMENT DISPLAY

2 BCD to 7 segment display circuits are provided including decoder/driver circuitry. Tie points: 5 per each unit.

### BREADBOARDING AREA

A total of 3360 uncommitted tie-points, available on velcro breadboard plate. Two QT-59B, bus strips. Fifty tie-points for each +5V, variable +15V, and ground if desired.

### ENCLOSURE

Steel case

### GENERAL

Weight 10 lbs (4.5kg)

Dimensions 4.5" (H)  $\times$  15" (W)  $\times$  10.75" (D) (11.4  $\times$  38.1  $\times$  27.3 cm)

Model Number 104-0505