Instruments . . . Individually Or As A Complete Lab

EUW-15 Universal Laboratory Power Supply

• Functions as a full-wave, half-wave, bridge or voltage doubler power supply • Spring-clip connectors on jumper wires permit fast, simple circuit changes • Partial schematic diagrams are screened inside the chassis for handy reference • Separate power & high voltage on/off switches • Fully assembled & tested

EUW-15, 14 lbs **$75.00**

The following specifications are for the EUW-15 Power Supply when it is wired for voltage-doubler operation.

EUW-15 SPECIFICATIONS: B+ voltage output: 200 to 350 volts DC regulated, at 0 to 100 milliamperes continuous. **Filament voltage output:** 6.3 volts AC at 3 amperes. **B+ regulation:** Output variation less than 1% from no load to full load at 300 volts. Output variation less than ±1 volt for a ±10 volt variation in the AC line input. **B+ ripple:** less than 10 millivolts rms ripple, jitter, and noise. **B+ output impedance:** Less than 10 ohms from 5-100,000 Hz. **Divider voltage (unregulated):** Approximately 500 v, 400 v, 300 v, 200 v, 100 v. **Voltage divider:** Internal, using five 1500 ohm 10 watt resistors . . . also can be used as a variable internal load. **Power requirements:** 105-125 volts, 50/60 Hz, 85 watts. **Dimensions:** 8¼" W x 6½" H x 12½" D.

EUW-16A Voltage Reference Source

• 0-100 volts DC output–Zener stabilized • Accuracy 1% or 0.1 mv whichever is larger • Direct reading–potentiometer type operation • Polarity reversal & push-button zero switches • Signal input position • Fully assembled & tested

EUW-16A, 6 lbs **$65.00**

EUW-16A SPECIFICATIONS—Output voltage: 0-100 volts DC. **Resolution:** .1 mv on X1 range; 1 mv on X10 range; 10 mv on X100 range; 100 mv on X1000 range. **Accuracy:** ±1% for coarse switch setting and ±2% for fine control setting. **Readout:** Directly on three dials; Coarse Voltage, Fine Voltage, Range. **Power requirements:** 25 watts, 117 v. AC, 50/60 Hz. **Dimensions:** 5¾" H x 8¼" W x 8" D.

EUP-26 20,000 Ohm/Volt VOM

• Large 50-microampere meter, Diode Protected • Weston model 980 Mark II Analyzer • Battery powered for portable convenience • Completely factory assembled & tested

EUP-26, 4 lbs **$55.00**

EUP-26 SPECIFICATIONS—Sensitivity: 20,000 ohm/volt DC, 1000 ohm/volt AC. **Range:** DC Volts; 1.6-8-40-160-400-800-4000. AC Volts; 1.6-8-40-160-400-1600. DC Current, 80 microamperes, 1.6-8-80-800 milliamperes, 8 amperes. **Ohmmeter:** Rx1, Rx10, Rx100, Rx1000, Rx10,000. **Decibels (DB):** —15 to +6, —1 to +20, +13 to +34, +25 to +46, +33 to +54. **Accuracy:** ±2% full scale on 1.6 to 800 V DC ranges. ±3% full scale on 4000 V DC range. ±3% on all AC ranges. ±2 divisions, as read on the 0-16 scale, on all ohms ranges. **Front Panel Controls:** Function-Range switch. Ohms Adjust control. **Meter Movement:** 50 microamperes, 1125 Ω, diode-protected. **Batteries:** 1 type D cell, 1.5 volts. 1 "B-C" battery, 15 volts (Eveready #411). **Dimensions:** 6⅝" wide x 7⅝" high x 3⅛" deep (overall). **Net weight:** 3 lbs. 1 oz. **Shipping weight:** 4 lbs.

EUW-27 Sine-Square Generator

• Less than .25% sine wave distortion • Less than .15 microsecond square wave rise time • Sine and square wave output available simultaneously • 20 Hz to 1 MHz in 5 bands • Factory assembled and tested

EUW-27 . . . 14 lbs. (REA Express or Motor Frt. only) **$94.00**

EUW-27 SPECIFICATIONS—Sine wave: Frequency range: 20 Hz to 1 MHz. **Output volts (RMS):** 0 to 10 volts, 0 to 1 volt, 0 to .1 volt, or 0 to .01 volt when working into a high impedance load. **Source impedance:** (±10%); 10 volt range, 0 to 3.5 k ohm; 1V, .1V, and .01V range, 600 ohm. **Distortion:** Less than .25%, 20 to 20,000 Hz. **Frequency response:** ±1.5 db 20 Hz to 1 MHz. **Square wave frequency range:** 20 Hz to 1 MHz. **Output volts:** (P. to P.) ±5%; 0 to 10 volt, 0 to 1 volt, 0 to .1 volt, into a high impedance load. **Source impedance:** (±10%); 10 volt range, 0 to 220 ohm; 1V and .1V ranges, 52 ohm. **Rise time:** less than .15 microsecond. **General:** Frequency accuracy; ±5%. **Power requirements:** 105-125 V AC, 50/60 Hz, 55 watts. **Dimensions:** 13" W x 8½" H x 7" D.

EUW-24 Vacuum Tube Voltmeter

• Single AC/Ohms/DC probe • 7 AC, 7 DC, & 7 Ohms ranges • Easy to read 4½" meter • 1% precision resistors • Factory assembled and tested • Front panel Servo Recorder connections

EUW-24, 6 lbs **$62.00**

EUW-24 SPECIFICATIONS—Meter scales: DC & AC (RMS): 0-1.5, 5, 15, 50, 150, 500, 1500 volts full scale. **AC peak-to-peak:** 0-4, 14, 40, 140, 400, 1400, 4000. **Resistance:** 10 ohm center scale x1, x10, x100, x1000, x10K, x100K, x1 meg. Measures 0.1 ohm to 1000 megohms with internal battery. **Meter:** 4½" 200 ua movement. **Multipliers:** 1% precision type. **Input resistance DC:** 11 megohms (1 megohm in probe) on all ranges. **Circuit:** Balanced bridge (push-pull) using twin triode. **Accuracy:** DC ±3%, AC ±5% of full scale. **Frequency response:** ±1 db, 25 Hz to 1 MHz (600 ohm source). **Battery:** 1.5 volt, size "C" flashlight cell. **Power requirements:** 105-125 volt 50/60 Hz 10 watts. **Dimensions:** 6½" H x 11½" W x 5" D.

EUW-25 3" DC Oscilloscope

• Identical vertical & horizontal AC or DC coupled amplifiers • DC to 400 kHz bandwidth • Rise time, less than 1.5 microsecond • Recurrent sweep generator, 5 Hz to 50 kHz in four ranges • External capacity binding posts for slower sweep rates • Factory assembled and tested • Terminals for Z-axis modulation and direct connection to deflection plates

EUW-25, 18 lbs. (REA Express or Motor Frt. only) **$168.00**

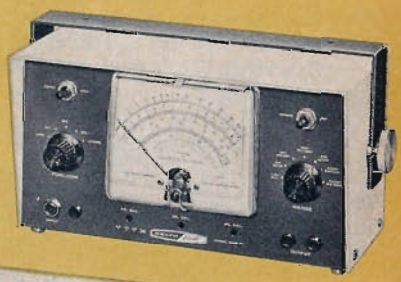
EUW-25 SPECIFICATIONS—(Vertical and horizontal channels identical): Bandwidth; DC to 400 kHz (3 db point). **Sensitivity:** 0.1 V (peak-to-peak) per ¼" (uncalibrated). **Attenuator:** 3-position, compensated type. **Gain control:** Continuously variable. **Input impedance:** 3.6 megohms shunted by 35 mmf. **Coupling:** Either AC or DC, switch-selected. **Relative phase shift between channels:** Less than 5°. **Sweep generator (recurrent type):** Linear saw-toothed produced by multivibrator type generator covering 5 Hz to 50 kHz in four overlapping ranges. "External capacity" binding post for lower sweep rates. **Sync. Provision:** Either internal or external, switch-selected. **Power requirements:** 105-125 V 50-60 Hz AC at 100 watts max. **Dimensions:** 9⅜" H x 9³⁄₁₆" W x 11⁹⁄₁₆" D.

EUW-15
$75.00

EUW-16A
$65.00

EUP-26
$55.00

EUW-27
$94.00



EUW-24
$62.00

EUW-25
$168.00