

Power Supplies

- **LOW NOISE, +/- 15V, 800mA**
- **NEW VERSIONS AVAILABLE FOR POWERING AND INTERCONNECTING MULTI-CHANNEL PROBES TO DATA ANALYSIS SYSTEMS**

We now make our low noise power supply available in a number of configurations:

The **40-50-1 Regulated Power Supply** provides low-noise power for instruments requiring + and -15VDC. It will deliver up to 800mA, is precisely regulated and short circuit protected.

Molex receptacles (5) are provided on the rear panel for connecting to FHC modules which require +/- 15v power.

Because many computerized data analysis systems do not include provision for a high impedance head stage, we've also developed **Adapter/Power Supply Modules** for the probes from our multi-channel amplifiers. They also include sufficient, regulated current to power other high gain amplifiers like the Neuralynx Lynx-8 which require + and - 15 volts.

The **HiZx8 Probe Adapter/Power Supply** is available in three versions; -02 version is packaged in a standard A size FHC module. The -01 version can be mounted in 3.5" (9cm) of vertical space in a standard instrument rack. A Dual version (-03) adapts 2 HiZx8 Probes.

We've also designed an **Xcell 3x4 Probe Adapter/Power Supply Module** which includes provisions for two probes, and the necessary switching circuitry connectors to access each of 8 microelectrode channels for current injection and impedance verification. Input switching is by either front panel toggle switch or can be computer controlled.

The adapter/power supplies are provided with DB-25 input and output connectors. A DB-25 to 20 pin IDC Cable is available but other cables can be ordered to interface the output to data analysis amplifiers.

SPECIFICATIONS

ALL VERSIONS:

- Output voltage:** +15 and -15V DC
- Output current:** 0 to 800mA
- Output protection:** Current limiting
- Regulation - Line:** .01%
- Regulation - Load:** .2%
- Noise (1Hz to 50Mhz):** <1mV p-p over full current range
- Power requirements:** 115 or 230V AC (switch selectable), 50-60Hz
- Line fuse:** 1.0 Amp Slo-blo

40-50-1 REGULATED POWER SUPPLY:

Output Connectors: +15, -15, common, ground on front panel binding posts; back panel 5 pin Molex receptacles (5).

HiZx8 PROBE ADAPTER/POWER SUPPLY:

Input/Output Connectors, Front Panel: DB-25
Output Connectors, Rear Panel: Banana jacks (3), +15, -15, ground
DUAL Xcell 3x4 PROBE ADAPTER/POWER SUPPLY:

Probe Input/Output Connectors, Front Panel: DB-25
Power Output Connectors, Rear Panel: Banana Jacks (3) +15V -15V ground

Ext. Inputs - Signal: BNC Inputs (8) switch selectable via front panel toggle switch, or back panel DB-25 (computer control), status LED's provided

- Z chk Ref: BNC input, front panel toggle switch or backpanel DB-25 (computer control), status LED provided

DIMENSIONS:

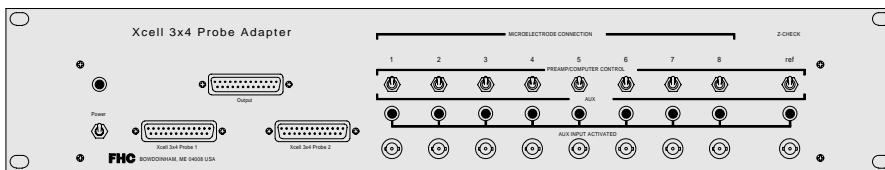
- Case A:** 7" h x 2 3/4" w x 9" d (17.8 x 7 x 22.9 cm), 4.5 lbs. (2.1 kg)
- Rack Mount:** 3 1/2" h x 19" w x 9" d (9 x 48 x 22.9 cm), 5 lbs. (2.25 kg)

ORDERING INFORMATION

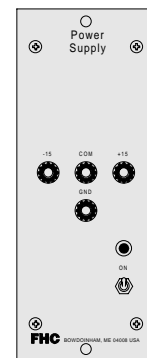
- 40-40-10 Xcell 3x4 Probe Adapter/Power Supply (rack mount)
- 40-41-4-01 HiZx8 Probe Adapter/Power Supply (rack mount)
- 40-41-4-02 HiZx8 Probe Adapter/Power Supply (FHC A module)
- 40-41-4-03 HiZx8 Dual Probe Adapter/Power Supply
- 40-41-5 Adapter Cable, 8" (20cm) DB-25 to IDC Socket (for Neuralynx Lynx-8)
- 40-50-1 Regulated Power Supply (FHC A module)



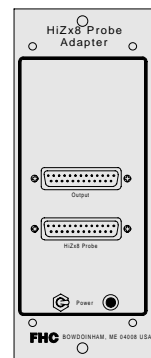
40-41-4-01



40-40-10



40-50-1



40-41-4-02

