

# Model 7225BFP

DSP Lock-in Amplifier  
with blank front-panel



## FEATURES

- ♦ 0.001 Hz to 120 kHz operation
- ♦ Voltage and current mode inputs
- ♦ Direct digital demodulation without down-conversion
- ♦ 10  $\mu$ s to 100 ks output time constants
- ♦ Quartz crystal stabilized internal oscillator
- ♦ Synchronous oscillator output for input offset reduction
- ♦ Harmonic measurements to 32F

## APPLICATIONS

- ♦ OEM's
- ♦ Systems needing multiple detection channels

## DESCRIPTION

The **SIGNAL RECOVERY** model 7225BFP has exactly the same specifications as the standard 7225, but can only be operated from a remote computer. As such, it is ideal for use in complex systems both by end users and manufacturers where front-panel operation is not required.

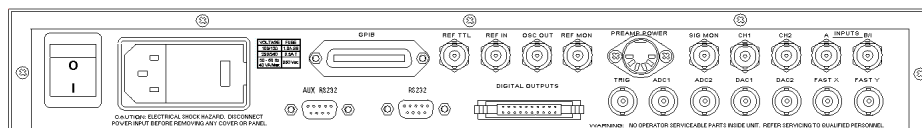
All signal connections are made via the rear-panel connectors giving an uncluttered appearance, especially when the unit is mounted in an equipment rack. The two signal inputs and the main analog outputs are provided via Twinax BNC connectors, for which suitable adaptors to BNC style connectors are supplied with each instrument.

Control of the unit is via either the RS232 or GPIB interfaces, using simple mnemonic-type ASCII commands. A second RS232 port allows up to sixteen 7225BFP or compatible instruments to be operated from a single RS232 computer port by connecting them in a "daisy-chain" configuration.

Compatible software is available in the form of a LabVIEW driver supporting all instrument functions, the Acquire lock-in amplifier applications software and the SRInstComms ActiveX control and software toolkit. The driver and a demonstration version of the applications software, DemoAcquire, are available for download from our website at [www.signalrecovery.com](http://www.signalrecovery.com)

## Specifications

Please see the specifications for the model 7225 on pages 43-45



Model 7225BFP Rear Panel Layout