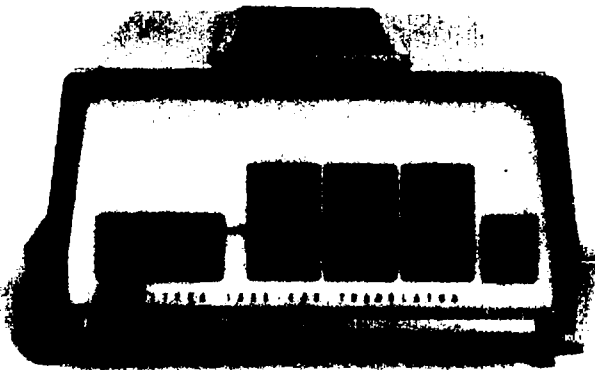




IEEE-488 TRANSLATOR

NEW 1120A



1120A — The Missing Link

Fluke's Portable Test Instrumentation (PTI) system puts low cost instruments on the IEEE bus by means of a new concept in instrumentation. The benefit is that you only pay for system capability if and when you need it. And neither size, weight, nor performance of the basic instrument is compromised for system capabilities you may never need. Instead of building interface capabilities into each low cost unit, we have designed a single instrument called the 1120A IEEE-488 Translator to do the interfacing job for you.

The 1120A is the communications link between IEEE Std 488-1978 and a variety of Fluke instruments. Operating between one or more instruments and the IEEE bus, the 1120A converts codes and signals on the bus to corresponding codes and signals compatible with the particular instrument. It passes address and control commands to an instrument or outputs data, or both, depending on the capabilities of the particular instrument being interfaced.

The 1120A is a translator for a growing number of Fluke instruments including universal counter/timers, communications counters, digital thermometers, frequency synthesizers, and digital voltmeters. Up to three instruments can be interfaced to the bus with a single 1120A, and as many 1120A's can be used in a system as necessary.

The 1120A connects instruments to the bus through an optional data output unit in the instrument and a "personality

card" in the 1120A. Each personality card is individually addressable and "transparent" to other instruments. Each corresponds to a particular Fluke instrument model and is sold as an option to that instrument or a field-installable kit. The cards simply plug in to an 1120A which provides the necessary power and microprocessor-based circuits for their operation. The 1120A personality cards, accessory cables, and instrument data output units are designed to be easily assembled by the user. As your needs change, you can quickly change cards to accommodate other Fluke instruments. Many of the instruments and cables are sold as Option -521. If so numbered, they will operate directly into a Fluke 2020A, 2021A, or 2030A Printer without an 1120A IEEE-488 Translator.

Building A System Is Easy

In the following example, the 1120A interfaces a Fluke 7261A Counter and an 8920A DVM to the IEEE bus.

The 8920A is a True RMS digital voltmeter that measures ac voltages from 10 Hz to 20 MHz in eight ranges from 2 mV to 700V. The 7261A is a universal counter/timer with 125 MHz bandwidth, 10 mV rms sensitivity to 50 MHz, 10 ns time interval resolution, time interval and time interval averaging, period and period averaging, totalize, ratio, counts per minute, plus optional C channel capability to 1300 MHz, optional ovenized time bases, and optional battery pack.

Option 892XA-529 for the 8920A and 72XXA-529 for the 7261A includes the personality card, the data output unit, and the ribbon cable needed to interface the instruments to an IEEE-488 bus.

Optional 1-meter, 2-meter, or 4-meter cable connects to the bus via standard IEEE connector.

See the instrument index in the front of this catalog for a complete listing of IEEE-compatible instruments.

Instruments that presently operate through the 1120A Translator to work in an IEEE-488 systems are: 2180A, 2190A, 6039A, 6160A, 7220A, 7250A, 7260A, 7261A, 8600A, 8810A, 8929A, 8921A, and 8922A. Ordering Option -529 with any one of these instruments will get you all the things you need to connect the instrument to an 1120A Translator. However, unless you already have one, please don't forget to order the 1120A.

Model

1120A IEEE-488 Translator..... \$325

