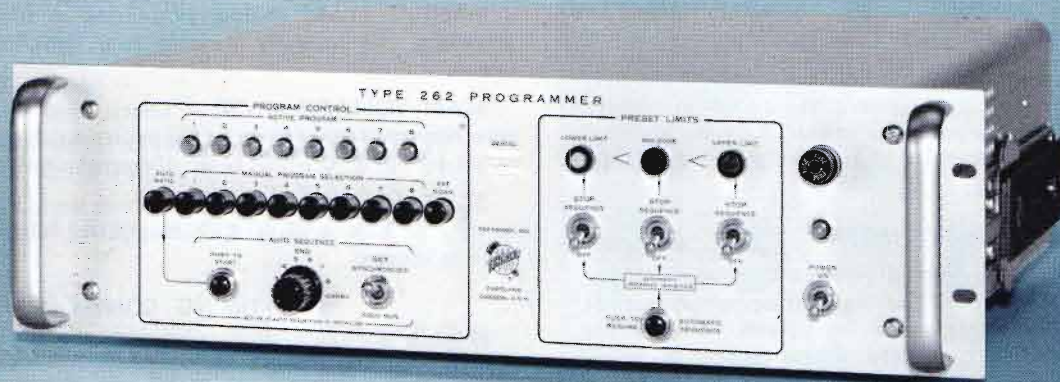


# TYPE 262

## PROGRAMMER



- **FOR 567/6R1A DIGITAL READOUT COMBINATION**
- **UP TO 8 DIFFERENT MEASUREMENTS FOR EACH TYPE 262**
- **UP TO 3 TYPE 262's OPERATE TOGETHER FOR 24 MEASUREMENTS**
- **UP TO 8 MEASUREMENTS PER SECOND**
- **PUSH BUTTON MEASUREMENT SELECTION OR**
- **OPTIONAL AUTOMATIC SEQUENCE OF MEASUREMENTS\***
- **OPTIONAL SYNCHRONOUS CONTROL OF OTHER EQUIPMENT**

The Type 262 Programmer makes it possible to remotely control the measurement and readout capabilities of the 6R1A Digital Unit. Any set of up to eight different pre-selected time or voltage measurements can be made with each Type 262 used. The measurements are made from the same signal as is displayed on the Type 567 cathode-ray-tube screen, using plug-in units that furnish digital data to the 6R1A Digital Unit.

The kind of measurement selected is determined by the circuits on each of eight plug-in circuit cards that are plugged into the Type 262 during operation. Other plug-in program cards may be interchanged for a different set of measurements when different measurements are required.

\* Automatic sequencers are required.

Up to three Type 262's may be used together at any one time to make up to 24 different tests or measurements without interchanging program cards.\*\*

When a Type 6R1A is under the control of a Type 262 the circuits on the program cards take the place of circuits otherwise selected from the front panel of the 6R1A. Each wired program card represents a particular combination of some front panel control settings on the 6R1A.

### PROGRAM CARDS

Plug-in program cards come ready for wiring. Cards are wired by soldering in appropriate jumpers and resistors according to instructions in the manual for the 262.

Each card is wired for a particular time or amplitude measurement. Examples are: risetime, delay time, pulse duration, pulse amplitude, time interval between two pulses. Upper and lower test limits can also be selected by wiring the cards as instructed.

If a change of measurement is desired, the plug-in program cards can be removed and other pre-wired cards easily inserted. Or the cards can be easily rewired.

### AUXILIARY EQUIPMENT CONTROL

The Type 262 also accommodates 8 auxiliary equipment plug-in programming cards. The connectors from the auxiliary cards have parallel connections to 54 control lines available at the rear-panel of the Type 262 for controlling signal attenuators, signal generators, trigger source switches, signal switches, power supplies, etc., in step with the 6R1A measurement sequence.

\*\* Cable capacitance and environmental noise limit the number of programmers that can be used in series.

## MANUAL CONTROL

Front-panel push-buttons allow manual selection of measurements. The sequence is determined by the operator and any step in a program can be held for as long a period as needed. The measurement rate is determined by the Type 6R1A.

## EXTERNAL CONTROL

Measurements can be selected externally through control lines available at the rear-panel connector. Selection is by contact closure to ground.

## AUTOMATIC SEQUENCE CONTROL

The Type 262 is pre-wired to facilitate the installation of an Automatic Sequencer consisting of a synchronizer board and a counter board. This accessory will automatically control sequence of up to 8 measurements per Type 262.

Front-panel switches allow an automatic sequence to be interrupted in accordance with pre-established upper and lower limits. Any combination of the upper, middle, or lower limits can be used.

The position of the boards can be interchanged to achieve any particular sequence of measurements wanted.

The Automatic Sequencer can be synchronized with data recording devices such as printers, card punches, or with various test fixtures.

Both manual push-button control and external control are still available when the Automatic Sequencer is installed.

Up to three Type 262 Programmers can be used in series for a total of 24 different measurement programs. For automatic sequencing, each individual Type 262 requires an Automatic Sequencer accessory.

## MEASUREMENT RATE

### WITHOUT AUTOMATIC SEQUENCER

The measurement rate is governed by the Type 6R1A display time of 0.1 to 6 seconds, and is also dependent upon the sweep time.

### WITH AUTOMATIC SEQUENCER

With the Automatic Sequencer installed, the measurement rate can be synchronized with auxiliary equipment or can be determined by the Type 567 and Type 262.

In a non-synchronized mode of operation, the measurement rate is determined by the sum of the Type 6R1A display time and the Type 262 display time. Display time of the Type 262 is continuously variable within the range of 50 to 500 milliseconds. In this mode, up to 8 measurements per second can be made.

In a synchronized mode of operation, the display is held, upon completion of a measurement, until an external completion pulse is received. In the synchronized mode, up to 6 measurements per second can be made.

## POWER REQUIREMENTS

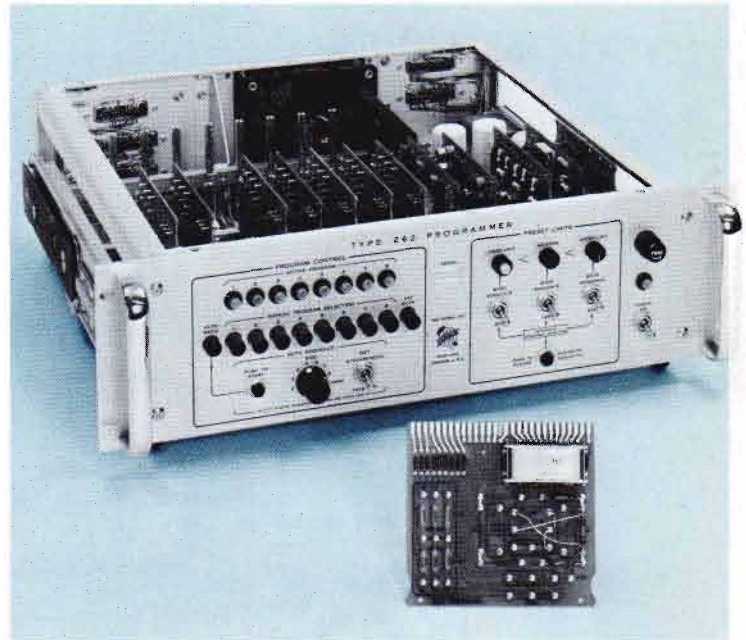
105 V to 125 V or 210 V to 250 V, 50 to 60 Hz, typically 35 watts. Instrument is normally factory wired for 105 V to 125 V, but may be ordered wired for 210 V to 250 V.

## MECHANICAL FEATURES

The Type 262 mounts in a standard 19 inch rack with slide-out tilt-lock tracks that permit it to be pulled forward, tilted, and locked in any of five positions for convenient programming and servicing. Cabinet feet are included for installation when not rack-mounted.

## DIMENSIONS AND WEIGHTS

Height	5 1/4 in	13.3 cm
Width	19 in	48.3 cm
Depth	17 9/16 in	44.6 cm
Net weight	21 3/4 lb	9.9 kg
Domestic shipping weight	≈ 57 lb	≈ 26.0 kg
Export-packed weight	≈ 80 lb	≈ 36.4 kg



## INCLUDED STANDARD ACCESSORIES

Eight program cards (018-0007-00); resistor kit (016-0056-00); cabinet feet kit (016-0052-00); pair mounting tracks (351-0085-00); set, mounting hardware; 3-conductor power cord (161-0024-00); 3 to 2-wire adapter (103-0013-00); 6R1A to 262 cable (012-0081-00)\*; two instruction manuals (070-0399-00).

\*If the Type 262 is to be used with another Type 262, indicate on your order that you need a 262/262 cable (012-0082-00) rather than a 262/6R1A cable (012-0081-00).

## OPTIONAL ACCESSORIES

### PROGRAM CARDS

Each card can be wired for a particular time or amplitude measurement, permitting easy plug-in change of program. Eight cards are supplied with Type 262 as standard accessories. PROGRAM CARD, order 018-0007-00

### RESISTOR KIT

Contains 176, 1/4 watt, 1% resistors for use in wiring program cards. One kit is supplied with Type 262 as standard accessories. RESISTOR KIT, order 016-0056-00

### AUTOMATIC SEQUENCER ACCESSORY

A sequencer, composed of a synchronizer board and a counter board, provides for automatic scan of up to 8 programs per Type 262.

AUTOMATIC SEQUENCER, order 040-0331-00

SYNCHRONIZER BOARD, order 018-0005-00

COUNTER BOARD, order 018-0006-00

AUXILIARY PROGRAMMING CARDS (not furnished with Type 262)

The Type 262 accommodates 8 auxiliary plug-in programming cards. Each card has gold, through-hole plating for best possible electrical contact.

CARD with 11 reed relay assembly

Order 018-0003-00

CARD only, order 018-0004-00

Please refer to Terms and Shipment, General Information page.