



FEATURES

- Selects One of Eight Receivers
- Permits Direct Read-out of Tuned Frequency
- Switches IF To Display
- Compact Half-Rack Size
- Broadband
- Field Programmable
- Non-Volatile Memory

DESCRIPTION

The Model 656 Display Multiplexer accepts LO samples and IF outputs from eight receivers. Upon front panel selection of one receiver, its IF is sent to an IF Display and its LO sample is sent to a Microwave Counter (EIP Model 545A or equivalent). Simultaneously, the Model 656 transmits to the Microwave Counter, in digital form, the frequency multiplier and offset for the receiver selected, thus enabling the Microwave Counter to provide a direct read-out of the receiver tuned frequency. The LO signal path uses wideband coaxial relays and the IF path uses RF signal relays and is capable of carrying IF's to 400 MHz.

A front panel program mode permits simple field entry of the receiver parameters and stores these parameters in a non-volatile memory. The parameters can easily be changed when the receiver configuration is changed. Digital information is transmitted to the microwave counter in IEEE-488 format.

The Model 656 Display Multiplexer is packaged in a compact 1-3/4 inch high half-rack chassis. Rack adapters are available for mounting in a standard EIA 19-inch rack. The unit is mechanically designed to meet exceptional EMI/RFI requirements.

SPECIFICATIONS

Number of Receivers

Multiplexed	Eight
IF Range	Up to 400 MHz
L.O. Range	Up to 3 GHz
Switch Type	
L.O.	Coaxial relay
IF	PCB mount relay
Insertion Loss	2 dB

Isolation: IF

Output to Deselected Input	50 dB
Channel to Channel	55 dB

Isolation: L.O.

Output to Deselected Input	60 dB
Channel to Channel	60 dB

Digital Control	IEEE-488, compatible with EIP Model 545A Counter
Connectors — Rear Panel	Signals — SMA Digital — IEEE-488
Controls	
Front Panel	Receiver Select, Load, A, B, Numeric Keypad (0-9)
Rear Panel	IEEE-488 Address
Display	8 character alphanumeric
Power	115/230 Vac, 47 to 62 Hz, 5 watts
Temperature - Operating	0° to 50° C
Style	1-3/4 inch high, 20 inches deep, half-rack chassis EIA rack adapter available
Weight	8 lbs.

Specifications are subject to change without notice.

ORDERING INFORMATION

When ordering, please specify:

Model 656 Display Multiplexer

Rack Mounting: Single units of the Model 656 must be mounted using a Model 697-1 Rack Adapter. For side-by-side installation, two units can be fastened together and be mounted as a single full-rack unit.

697-1 Rack Adapter - single units

WARRANTY

All of Reaction Instruments' equipment is warranted for one year, except for damage caused by accident or misuse, provided the equipment is returned for repair to the plant in Herndon, VA

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OCTOBER 1988