

PUSH BUTTON TYPE RatioTrans*

MODELS RT-1, 1R, 2, 2R, 3, & 3R

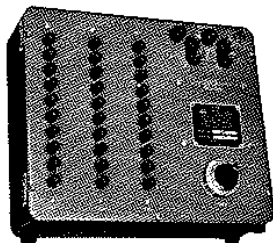
Model RT-1 is a wide frequency range unit with limited input voltage characteristics at lower frequencies. It uses push button selection for the first three digits and a ten turn potentiometer for the remaining.

Model RT-2 covers the same frequency and voltage ranges as the Model RT-1. The potentiometer is eliminated and replaced with

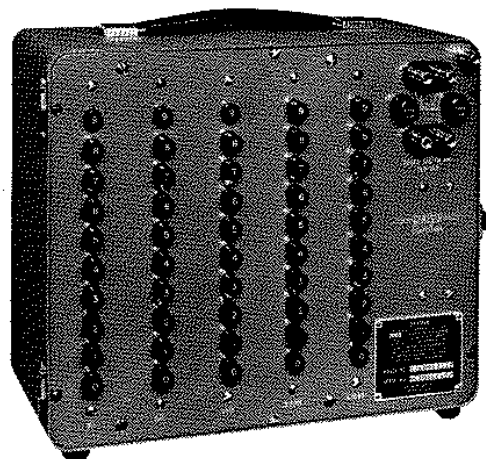
two push button selected decades, allowing five decade push button selection with increased accuracy.

Model RT-3 is mechanically identical to the Model RT-2, i.e., uses five push button selected decades. It is designed specifically for higher voltage inputs at the lower frequencies with reduced high frequency range.

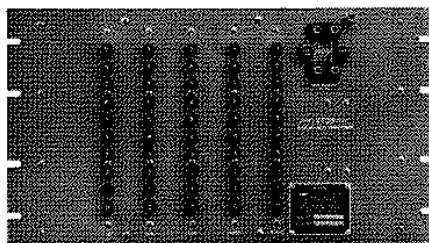
Typical Case and Rack Panel Models Available:



MODEL RT-1
Cover always supplied
Not shown in photo.



MODEL RT-2 & RT-3
Cover always supplied
Not shown in photo.



MODELS RT-1R, RT-2R, & RT-3R
Are available as rack mounted units.
For dimensions see chart below.

The above photos show the types of Cases and Rack Panels in which PUSH BUTTON RatioTrans* are available.

When ordering always add an R to Rack Panel units, for example, RT-1 is a Case Model and RT-1R is a Rack type.

SPECIFICATIONS	RT1-1R	RT2-2R	RT3-3R
DESIGN CHARACTERISTICS	Continuously variable output	Max. accuracy, min. output impedance	High voltage input at low frequency
SWITCH TYPE	Pushbutton	Pushbutton	Pushbutton
RECOMMENDED FREQUENCY RANGE	50 — 10,000 cps.	50 — 10,000 cps.	30 — 1000 cps.
MAX. INPUT VOLTAGE (ERMS)	.35f (f in cps), max. 350V above 1000 cps.	.35f (f in cps), max 350V above 1000 cps.	2.5 f (f in cps), max. 350V above 140 cps.
RESOLUTION	Continuous	.001% steps	.001%
ACCURACY OF INDICATED RATIO (low frequency range)	$\pm (.001\% + \frac{.0006\%}{R})$ 30 — 1000 cps.	$\pm (.001\% + \frac{.0001\%}{R})$ 50 — 3000 cps.	$\pm (.001\% + \frac{.0001\%}{R})$ 30 — 1000 cps.
ACCURACY OF INDICATED RATIO (3000 — 10,000 cps)	$\pm (.01\% + \frac{.0006\%}{R})$	$\pm (.01\% + \frac{.0001\%}{R})$	
TERMINAL LINEARITY	.001%	.001%	.001%
MAX. EFFECTIVE SERIES IMPEDANCE	Rs — 12 ohms Ls — 75 uh.	Rs — 3 Ohms Ls — 75 uh.	Rs — 4 ohms Ls — 350 uh.
APPROX. INPUT INDUCTANCE	150 henries	150 henries	500 henries
PHASE ANGLE UNLOADED	Dependent on frequency and ratio setting, but very small		
DIMENSIONS	Rack Case		
	19 x 10-1/2 x 3 3/4 in. deep 11 x 13-1/4 x 6 deep	19 x 10-1/2 x 7 deep 11 x 13-1/4 x 9 deep	19 x 10-1/2 x 7 deep 11 x 13-1/4 x 9 deep
CONNECTIONS	Input and output connections on front		
SHIPPING WEIGHT	18 lbs. approx.	24 lbs. approx.	33 lbs. approx.

* Trademark