

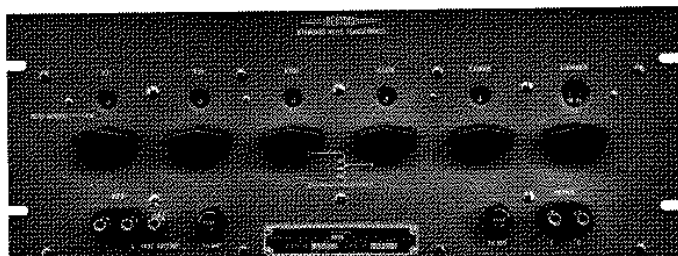
# **ROTARY SWITCH TYPE RatioTran\*** **NORMAL DUTY SWITCHES** **MODELS RT-4, RT-4R, RT-5 AND RT-5R**

Models RT-4 and RT-5 permit rapid selection of accurate voltage ratios by means of rotary switches. Two toroidally wound autotransformers are controlled by five decade switches followed by a single turn potentiometer, providing continuous resolution and readout of better than six significant figures. Ratio value is indicated as direct decimal reading. Every switch position

displays its corresponding digit through a dust proof transparent window.

Each unit is available either in a cast aluminum case or rack mounted with aluminum dust cover. Carrying case models are provided with dual purpose handles. These may be used for carrying the instrument or for bench "Tilt-Up" operation.

Typical Case and Rack Panel Models Available:



**MODELS RT-4R & RT-5R (RACK)**  
 For dimensions  
 see chart below.



**RT-4 & RT-5 (CASE)**  
 For dimensions see  
 chart below.

SPECIFICATIONS	RT-4 & RT-4R	RT-5 & RT-5R
DESIGN CHARACTERISTICS	High voltage input at low frequency	Max. accuracy, min. output impedance
SWITCH TYPE	Rotary (normal duty)	Rotary (normal duty)
RECOMMENDED FREQUENCY RANGE	30 — 1000 cps.	50 — 10,000 cps.
MAX. INPUT VOLTAGE (ERMS)	2.5 f (f in cps), max. 350V above 140 cps.	.35f (f in cps), max. 350V above 1000 cps.
RESOLUTION	Continuous	Continuous
ACCURACY OF INDICATED RATIO (low frequency range)	$\pm (.001\% + \frac{.0001\%}{R})$ 30 — 1000 cps.	$\pm (.001\% + \frac{.0001\%}{R})$ 50 — 3000 cps.
ACCURACY OF INDICATED RATIO (3000 — 10,000 cps)		$\pm (.01\% + \frac{.0001\%}{R})$
TERMINAL LINEARITY	.001%	.001%
MAX. EFFECTIVE SERIES IMPEDANCE	Rs — 4 ohms Ls — 350 uh.	Rs — 3 Ohms Ls — 75 uh.
APPROX. INPUT INDUCTANCE	500 henries	150 henries
PHASE ANGLE UNLOADED	Dependent on frequency and ratio setting, but very small	
DIMENSIONS Rack Case	19 x 8-3/4 x 6-1/4 in. deep 17 x 9-1/4 x 8 in. high	19 x 7 x 5-1/4 in. deep 17 x 6 x 6-3/4 in. high
CONNECTIONS	Input and output connections on front	Input and output connections on front
SHIPPING WEIGHT	40 lbs. approx.	23 lbs. approx.

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