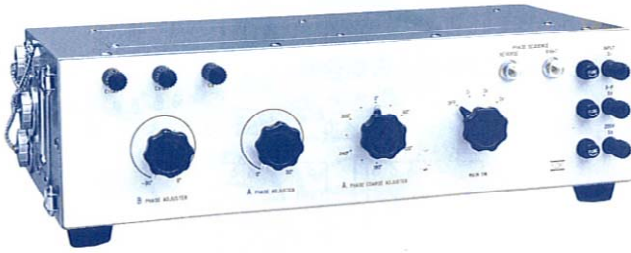


Portable Type Protective Relay Test Set

Phase Shifter, 1-Phase : Model TPR-400C



500(W) × 160(H) × 230(D)mm Approx. 24kg

Single-Phase Adjuster : Model TPR-400A



500(W) × 160(H) × 230(D)mm Approx. 23kg

Portable type Versatile Test Set TPR-4 series are patronized by many users.

And especially, a set of Model TPR-4C and TPR-4A is the most acclaimed in TPR-4 series, because two circuits of voltage and/or current, or each of one circuit are available to output, and also possible to adjust the phase between two circuits. So, testing for not only one input element relay but also two input element relay are realized.

In order to minimize a physical burden of personnels who perform a relay test, Model TPR-400C and TPR-400A were developed with substantial weight reduction and size down, keeping a sensible output power.

User-friendliness is also considered with easy to handle knobs, layout of terminals and with power saving.

Model TPR-400C and TPR-400A are featured with much confidence to recommend especially for regular users of TPR-4 series.

Specification

■ Phase Shifter, 1-phase : Model TPR-400C

Applicable to protective relay test which has a phase attribute.

Combination with Single-Phase Adjuster (Model TPR-400A), a phase of Circuit A is adjustable.

Power Supply	3-phase · 3-wire 200/220 V 50·60 Hz	
Output	Phase-wire system	2-circuit (A and B) 3-wire (one of three is common)
	Voltage Current	180 V (Both for circuit A and B) 180 VA continuous
		1.0 A continuous 2.5 A 5min. duty 5 A 1min. duty
	Phase	Only Circuit A Adjustable range 0~360° Adjustable angle Coarse : every 30° step / Fine : continuously

■ Single-Phase Adjuster : Model TPR-400A

Two circuits for adjusting Single Phase Voltage and/or Current are installed, so Protective Relay Test for two elements of voltage and/or current, or each of one element available. Two adjusters of A and B are featured, so not only adjust the output of Normal Condition and Fault Condition, but also the sudden change from/to Normal Condition to/from Fault Condition are realized.

< Power Supply from Phase Shifter (Model TPR-400C) available >

Power Supply	Single-phase · 2-wire 200/220 V 50·60 Hz				
Output	Output terminal	Adjustable range	Capacity	Range	Adjuster
	A1—A2 (A output) A : fault B : normal	0~250 V 0~50 A	200 VA continuous 400 VA 5min. duty 800 VA 1min. duty	20 V / 50 A 50 V / 20 A 100 V / 10 A 250 V / 4 A	A
		0~110 V 0~5 A	50 VA 5min. duty		B
	±75 V / 5 A (B output)	0~110 V 0~5 A	375 VA 5min. duty	Fixed (75 V / 5 A)	B
	±200 V / 1 A (B output)	0~200 V 0~1 A	200 VA 5min. duty	Fixed (200 V / 1 A)	