



Miniature Switchboard Instruments — 2180 Series

GENERAL SPECIFICATIONS

Full Scale Deflection: 250° taut band movement

Full Scale Length: Approx. 140mm (5.5")

Pointer: Sword type, black

Scale Plate: Platform type, white

Case: ABS resin, black

Cover: Methacrylic acid resin with antistatic processing on both sides.

Standard color . . . Black (Munsell N. 1.5/0) or jade green

(Munsell 7.5 BG4/1.5)

Terminal Plate: Phenol resin, black

Mounting Screw: 5mm dia.

Measuring Terminal: 5mm dia (nut type)

Operating Temperature Range: 0 to 40° C (32 to 104° F)

Storage Temperature Range: -10 to 50° C (14 to 122° F)

Dielectric Strength: 2,600 V AC for one minute between electric circuit and case

Watts, Vars, Unbalanced Power Factor supplied with external transducer.

Model Type		Ranges Available	Standard Ratings and Scales	Catalog Number	Operating Principle	Accuracy
DC	Ammeters	500μA ~ 30A	See Table On Next Page	218100	Moving coil type	±1.5% of full scale value
	Voltmeters	30V ~ 300V		218100		
AC	Ammeters	500μA ~ 30A		218200	RMS sensing transducer type	±1.5% of full scale value
	Voltmeters	3V ~ 600V		218200		

Type		Rating	Connection	Voltage Load Current	Elements	Catalog Number	Operating Principle	Accuracy
AC	Wattmeters	Specify 120V/5A or 240V/5A input, full scale watt or var value, frequency rating, PT and CT Ratio	Single-phase		1	218531	Feedback Time Division Multiplier Transducer*	±1.5% of full scale value
			3-phase 3-wire	Unrestricted	2	218535		
				Unrestricted				
			3-phase 4-wire	Balanced	2-1/2	218534		
				Unrestricted				
			3-phase 4-wire	Unrestricted	3	218536		
	Unrestricted							
	Varmeters		Single-phase		1	218631		±1.5% of full scale value
			3-phase 3-wire	Balanced	2	218633		
				Unrestricted				
			3-phase 3-wire	Unrestricted	2	218635		
				Unrestricted				
		3-phase 4-wire	Balanced	2-1/2	218634			
			Unrestricted					
		3-phase 4-wire	Unrestricted	3	218636			
			Unrestricted					
		Power Factor Meters	120V/5A or 240V/5A	Single-phase		1	218731	
	3-phase 3-wire			Balanced	1	218733		
				Balanced				
	3-phase 3 wire			Unrestricted	2	218735		
				Unrestricted				
	3-phase 4-wire			Unrestricted	3	218736		
	Unrestricted							
	Frequency Meters	115V or 230V	45-55 Hz, 55-65 Hz 45-66 Hz Rating Available			218830	Frequency sensing transducer type	±0.5% of center frequency

*Instrument is furnished with external transducer. Contact Yokogawa for transducer outline and connection drawings.