

Digital Power Factor Meter (with Built-in Transducer)



DPF11, DPF31 DPF9611, DPF9631



DPF72x14411,
DPF72x14431



DPF14411
DPF14431

Specifications

Measuring Method	Cosine of Phase Shift between Voltage and Current	Maximum Overload	Voltage : 1.2 times continuous Current : 2 times continuous
Sampling Rate	2.5 Samples per Second	Environment	Calibration : 27°C – 5 °C, Operating : 0 to 50°C, RH < 70% Storage : -10 to 60°C, RH < 70%
Display Type	Red LED (Standard)	Dielectric Strength	2.5 kV at 50Hz for 1 min. between Case - Terminals
Maximum Display	4 Digits to indicate PF	Mounting Clamps	Sturdy, Moulded ABS with suitable Hardware
Resolution	0.001 PF	Connectors	Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals
Under Current Indication	Error Code “.01 ” Blinking when current < 20% of Nominal is detected	Faceplate / Lens	Red Antiglare Faceplate with Annunciators
Polarity Indication	L (Lagging/Inductive) or C (Leading/Capacitive)		
Case / Housing Material	DIN Black ABS, Dimension as per DIN 43700		
VA Burden (Typical)	Auxiliary : < 5 VA Voltage Input : < 0.5VA / Phase Current Input : < 0.5 VA / Phase		

Model	System (Phase, Element, Wire)	Input	Auxiliary Power Supply (any one only)			Accuracy Class		Digits (max.)	Display Digit Height	
			110 / 230V AC	24 / 48 / 110 / 220V DC	Self Powered	- 1 Degree	- 2 Degree		4 Digit	0.56" / 14.20mm
DPF11	1P 1E 2W	V (Nominal) = 63.5 / 110 / 230 / 440VAC; A (Nominal) = 1, 2 or 5AAC; Hz (Nominal) = 50Hz (V Range = -20% of Nominal A Range = 20 - 120% of Nominal) PF Range = 0.500 Lag (L) - 1.000 - 0.500 Lead (C)	-	-	ü	ü	ü	ü	ü	-
DPF31	3P 1E 2W (Balanced Load)		-	-	ü	ü	ü	ü	ü	-
DPF9611	1P 1E 2W		-	-	ü	ü	ü	ü	ü	-
DPF9631	3P 1E 2W (Balanced Load)		-	-	ü	ü	ü	ü	ü	-
DPF14411	1P 1E 2W		ü	ü	ü	ü	ü	ü	-	ü
DPF14431	3P 1E 2W (Balanced Load)		ü	ü	ü	ü	ü	ü	-	ü
DPF72x14411	1P 1E 2W		ü	ü	ü	ü	ü	ü	-	ü
DPF72x14431	3P 1E 2W (Balanced Load)		ü	ü	ü	ü	ü	ü	-	ü

Dimensions (mm)

Model	DPF11 / DPF31	DPF9611 DPF9631	DPF72X14411 DPF72X14431	DPF14411 DPF14431
Front	48 x 96	96 x 96	72 x 144	144 x 144
Depth (Behind Bezel)	135	135	130	59
Panel Cut-Out	44 ^(+0.5, -0.0) x 92 ^(+0.8, -0.0)	92 ^(+0.8, -0.0) x 92 ^(+0.8, -0.0)	68 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)	138 ^(+0.8, -0.0) x 138 ^(+0.8, -0.0)

Ordering Information : Model, Input Voltage, Input Current, Input Frequency, CTR / PTR (if any), Auxiliary Supply, Accuracy Class & Display Digit Height

Terminal Connection (Please refer page overleaf)

Digital Power Factor Meter - TRMS (with Built-In Transducer)



DPF9633S-TRMS



DPF9634S-TRMS

Specifications

Measuring Method	Cosine of Phase Shift between Voltage and Current	Maximum Overload	Voltage : 1.2 times continuous Current : 1.2 times continuous
Display Type	Red LED (Standard)	Dielectric Strength	2.5 kV at 50Hz for 1 min. between Case - Terminals
Maximum Display	3 Digits to indicate PF	Mounting Clamps	Sturdy, Moulded in Derline
Resolution	0.001 PF	Connectors	Detachable for easy replacement
Polarity Indication	L (Lagging/Inductive) or C (Leading/Capacitive)	Faceplate / Lens	Red Antiglare Faceplate with Annunciators
Case / Housing Material	Black ABS, Dimension as per DIN 43700		

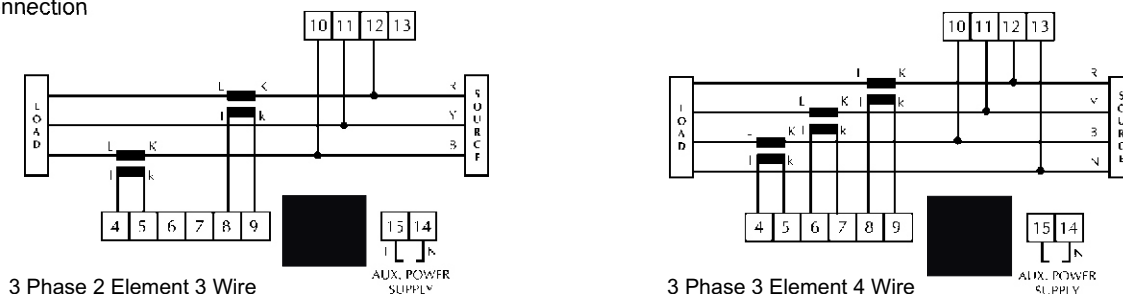
Models	Parameters	System
DPF9633S-TRMS	PF-TRMS	3Phase 2Element 3Wire
DPF9634S-TRMS		3Phase 3Element 4Wire

Specifications

Display	Display of 4 Digits, 0.56" / 14.2mm Digit Height	Special Features	
Auxiliary Supply (any one only)	230V AC -20%, 50Hz or 110V AC -20%, 50Hz	CTR, PTR & Configuration (3P2E3W or 3P3E4W)	Factory Set (standard) or User Selectable (optional)
Input		Measurement	TRMS Four Quadrant Measurement
Voltage / Phase	50 - 300V (max.) (Phase to Neutral)	Environment	
Current / Phase (any one only)	0.2A to 1.2 A (max.) or 1A to 6A (max.)	Calibration	27°C ± 5 °C
Frequency	45-55 Hz	Operating	0 to 50°C, RH < 70%
Power Factor	0.300 Lag (L) - 1.000 - 0.300 Lead (C)	Storage	-10 to 60°C, RH < 70%
Accuracy		Terminals	Plug in type
Power Factor	-1° Electrical	Dimensions (mm)	
VA Burden (Typical)		Front	96 x 96mm
Auxiliary	<5VA	Depth (Behind Bezel)	90mm
Voltage Input	<0.1VA / Phase	Panel Cut-Out	92 ^{+0.8, 0.0} x 92 ^{+0.8, 0.0}
Current Input	<0.5VA / Phase	Dielectric Strength	2.5kV at 50Hz for 1 min.
Standard		Insulation Resistance	>20MΩ at 500V DC
Installation Category	Cat II (IEC 1010-1)		
Pollution	Degree 2 (IEC 1010-1)		

Ordering Information : Model, Input Voltage, Input Current, Input Frequency, System (3P2E3W or 3P3E4W), CTR / PTR (if any) & Auxillary Supply

Terminal Connection



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