



DPF11, DPF31 DPF9611, DPF9631

**DPF72x14411,
DPF72x14431**

**DPF14411
DPF14431**

Specifications

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Measuring Method Cosine of Phase Shift between Voltage and Current ● Sampling Rate 2.5 Samples per Second ● Display Type Red LED (Standard) ● Maximum Display 4 Digits to indicate PF ● Resolution 0.001 PF ● Under Current Indication Error Code “.01 ” Blinking when current < 20% of Nominal is detected ● 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 | <ul style="list-style-type: none"> ● Maximum Overload Voltage : 1.2 times continuous
Current : 2 times continuous ● Environment Calibration : 27°C ± 5°C,
Operating : 0 to 50°C, RH < 70%
Storage : -10 to 60°C, RH < 70% ● Dielectric Strength 2.5 kV at 50Hz for 1 min. between Case - Terminals ● Mounting Clamps Sturdy, Moulded ABS with suitable Hardware ● Connectors Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals ● Faceplate / Lens Red Antiglare Faceplate with Annunciators |
|--|---|

Model	System (Phase, Element, Wire)	Input	Auxiliary Power Supply (any one only)			Accuracy Class		Digits (max.) 4 Digit	Display Digit Height	
			110/ 230V AC	24 / 48 / 110 / 220V DC	Self Powered	± 1 Degree	± 2 Degree		0.56" / 14.20mm	1.0" / 25.4mm
DPF11	1P 1E 2W	V(Nominal) =	-	-	✓	✓	✓	✓	-	
DPF31	3P 1E 2W (Balanced Load)	63.5 / 110 / 230 / 440V AC;	-	-	✓	✓	✓	✓	-	
DPF9611	1P 1E 2W	A(Nominal) = 1, 2 or 5AAC;	-	-	✓	✓	✓	✓	-	
DPF9631	3P 1E 2W (Balanced Load)	Hz(Nominal) = 50Hz	-	-	✓	✓	✓	✓	-	
DPF14411	1P 1E 2W	V Range = ± 20% of Nominal	✓	✓	✓	✓	✓	-	✓	
DPF14431	3P 1E 2W (Balanced Load)	A Range = 20 - 120% of Nominal)	✓	✓	✓	✓	✓	-	✓	
DPF72x14411	1P 1E 2W	PF Range = 0.500 Lag (L) -	✓	✓	✓	✓	✓	-	✓	
DPF72x14431	3P 1E 2W (Balanced Load)	1.000 - 0.500 Lead (C)	✓	✓	✓	✓	✓	-	✓	

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), Auxillary Supply, Accuracy Class & Display Digit Height

Terminal Connection (Please refer page overleaf)



New
Preliminary
Data



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



DPF9633S-TRMS



DPF9634S-TRMS

Specifications

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

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
Auxiliary Supply (any one only)	230V AC $\pm 20\%$, 50Hz or 110V AC $\pm 20\%$, 50Hz
Input	
Voltage / Phase	50 - 300V (max.) (Phase to Neutral)
Current / Phase (any one only)	0.2A to 1.2 A (max.) or 1A to 6A (max.)
Frequency	45-55 Hz
Power Factor	0.300 Lag (L) - 1.000 - 0.300 Lead (C)
Accuracy	
Power Factor	$\pm 1^\circ$ Electrical
VA Burden (Typical)	
Auxiliary	< 5VA
Voltage Input	< 0.1VA / Phase
Current Input	< 0.5VA / Phase
Standard	
Installation Category	Cat II (IEC 1010-1)
Pollution	Degree 2 (IEC 1010-1)

Special Features

CTR, PTR & Configuration (3P2E3W or 3P3E4W)	Factory Set (standard) or User Selectable (optional)
Measurement	TRMS Four Quadrant Measurement

Environment

Calibration	27°C $\pm 5^\circ$ C
Operating	0 to 50°C, RH < 70%
Storage	-10 to 60°C, RH < 70%

Terminals

Plug in type

Dimensions (mm)

Front	96 x 96mm
Depth (Behind Bezel)	90mm
Panel Cut-Out	92 ^(+0.8, 0.0) x 92 ^(+0.8, 0.0)

Dielectric Strength

Insulation Resistance

2.5kV at 50Hz for 1 min.
> 20MOhms at 500V DC

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

Terminal Connection

