



DPF11, DPF31



DPF9611S, DPF9631S



DPF72x14411, DPF72x14431



DPF14411, DPF14431

### Specifications

- **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
- **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 Hardware
- **Connectors** Terminal Block : Thermoplastic (UL 94V-0) with Tin Plated Brass Terminals
- **Faceplate / Lens** Red Antiglare Faceplate with Annunciators
- **Display Stability** Within ± 2 Digits

Model	System (Phase, Element, Wire)	Input (Nominal)	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 for 1P1E2W = 110 / 230 V (P-N); V for 3P1E2W = 110 / 440 V (P-P); A = 1, 2 or 5A AC; Hz = 50Hz (V Range = ± 20% of Nominal A Range = 20 - 120% of Nominal) PF Range = 0.500 Lag (L) - 1 - 0.500 Lead (C)	-	-	✓	✓	✓	✓	✓	-
DPF31	3P 1E 2W (Balanced Load)		-	-	✓	✓	✓	✓	✓	-
DPF9611S	1P 1E 2W		✓	✓	✓	✓	✓	✓	✓	-
DPF9631S	3P 1E 2W (Balanced Load)		✓	✓	✓	✓	✓	✓	✓	-
DPF72x14411 DPF14411	1P 1E 2W		✓	✓	✓	✓	✓	✓	-	✓
DPF72x14431 DPF14431	3P 1E 2W (Balanced Load)		✓	✓	✓	✓	✓	✓	-	✓

Dimensions (mm)				
Model	DPF11 / DPF31	DPF9611S DPF9631S	DPF72X14411 DPF72X14431	DPF14411 DPF14431
Front	48 x 96	96 x 96	72 x 144	144 x 144
Depth (Behind Bezel)	135	90	130	59
Panel Cut-Out	44 <sup>(+0.5, -0.0)</sup> x 92 <sup>(+0.8, -0.0)</sup>	92 <sup>(+0.8, -0.0)</sup> x 92 <sup>(+0.8, -0.0)</sup>	68 <sup>(+0.8, -0.0)</sup> x 138 <sup>(+0.8, -0.0)</sup>	138 <sup>(+0.8, -0.0)</sup> x 138 <sup>(+0.8, -0.0)</sup>

**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 for other Models)