

VAF Meter EMS-18

Features

- High brightness red LED display.
- Programmed values of parameters are protected against unintentional/unauthorised changes.
- Measurement of basic parameters. (Current (L-N), Voltage (L-N), (L-L), frequency(avg)).

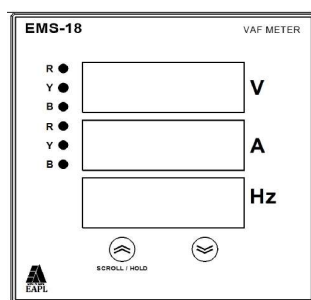


Ordering Information

Models	Function	Source Voltage	Display Parameters
EMS-18	VAF meter	85V to 270V AC/DC	V(R, Y, B), V(RY, YB, BR), A(R, Y, B), Hz

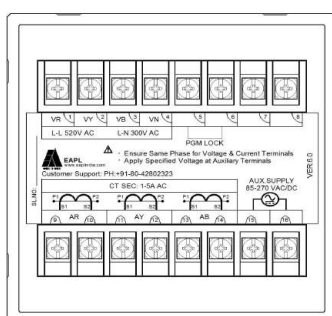
Front View

EMS-18



Rear View

EMS-18



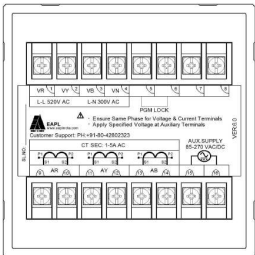
Over-all Dimension

Models	Dimension Details in mm			Cutout Dimension in mm	
	W	H	D	W	H
EMS-18	96	96	95.5	92	92

■ Specifications

Parameters	Models	EMS-18
Function		Voltage, current, frequency meter
Rated supply Voltage		85V to 270 V AC / DC
Rated Frequency		50 / 60Hz \pm 5% for AC only
Power consumption		AC Approx 5VA DC Approx 2W
Burden		< 0.2 VA per Volts/Amps input
Input Voltage		3 Phase 4 wire (R,Y,B,N) Range - 415 VAC (-40% to +20%) 110 VAC (-40% to +20%)
Input Current		Current inputs (AR,AY,AB)1A to 5A (to 200%)
Accuracy(Voltage, Current ,Frequency)		\pm 1% of FS \pm 1 digit
Sensing		True RMS
Recovery Time		2 sec minimum
Humidity		Up to 95% RH @ 40°C
Ambient Temperature		Operation: -10°C to +55°C(14°F to 131°F) Storage: -25°C to +80°C(-13°F to 176°F)
Dielectric Strength		2.5KV AC, 50Hz for 1minute (Between current carrying & non-current carrying parts)
Insulation resistance		>100M ohms @500V DC
Electrical connection		Screw type terminals with self lifting clamps.
Dimension (W x H x D)		96 X 96 X 95.5mm
Cut-out Dimension(W x H)		92X 92 mm

Connection and Terminal Details

Connection Details	EMS-18	
		
Terminal Details	EMS-18	
	For Three phase 1, 2, 3, 4 : R, Y, B, N 5, 6 : Program lock 9, 10 : S1, S2 (R Phase) 11,12 : S1, S2 (Y Phase) 13,14 : S1, S2 (B Phase) 15,16 : Auxiliary Supply(85-270 V AC/DC)	For single phase 1, 4 : R, N 5, 6 : Program lock 9, 10 : S1, S2 15,16 : Auxiliary Supply (85-270 V AC/DC)