



Measure



Monitor



Analyze



Optimize



Alerts



DIGITAL PANEL METERS Erbit & Elvis Series

Easy to Fit, Simple to Operate and High in Accuracy

HPL EBRIT Series and ELVIS Series of digital panel meters deliver accurate readings and actionable alerts for quicker decisions. EBRIT comes with a single-line display for clear, focused viewing of key values, while ELVIS features a 3-line display to view multiple electrical parameters together. Both series are built for reliable monitoring in industrial and commercial applications, measuring AC parameters (voltage, current, frequency, power, power factor, and energy).

Applications

- Industrial (HT/LT panels, MCC, DCRP, Genset).
- Commercial (HVAC, Building Management).
- Special applications (UPS, OEM).
- HV and MV switchgear panels.
- Control and relay panels.
- Test benches.
- Laboratory equipment.

Benefits

- Superior accuracy and reliability.
- Universal 80-300V AC/DC auxiliary supply.
- Site-programmable configuration (CT/PT ratios, network type).
- Advanced user interface with 14mm LED display.
- Multi-meter versatility (A/kA, V/kV, kW/kVA/kVAR single device).
- CT secondary selection flexibility.
- Compact size to optimize use of panel space.

Features

- Single range covers volt, amp, frequency, PF, power and VAF/VAF+ in the same family, so panel builders can standardize on one platform.
- Three-phase models give full system view: per-phase/line voltages, currents, PF, and system kW/kVA/kVAR for both star and delta networks.
- Built-in test mode (LED check, CT/PT ratio, connection check, phase sequence, quadrant info) simplifies commissioning and troubleshooting without external instruments.
- LED indications for reverse current per phase, over-voltage, over-current, abnormal frequency.
- Field programmable - CT / PT commissioning etc.
- Password-protected setup mode.
- Favorite display & password stored in non-volatile configuration to avoid re-setting after outages, improving reliability in field use.
- Wide range AC / DC auxiliary power supply.
- Direct measurement ranges: 20 -750 V AC, 0.01 - 7.5 A AC and 45-65 Hz





Technical Specifications

Parameters	Description	Ebrit Series (LED ,Single Line display)	Elvis Series (LED, Three Line display)
A. Electrical Specifications	Auxiliary Power Supply	80 – 300V AC	60-300V AC/DC or 48V DC ± 20% (variant)
	Auxiliary burden	< 1 VA	< 1 VA
	Voltage circuit burden	< 0.5 VA	< 0.5 VA
	Current circuit burden	< 0.5 VA	< 0.5 VA
	Frequency Range	45-65Hz	45-65Hz
B. Measuring Range	Voltage (Direct measurement)	20 – 750 V AC	20 – 750 V AC
	Current (Direct measurement)	0.01 – 7.5 A AC	0.01 – 7.5 A AC
C. Resolution	Voltage (Direct measurement)	0.1 V	0.1 V
	Current (Direct measurement)	0.001 A	0.001 A
	Frequency (Direct measurement)	0.1 Hz	-
D. Display	Display	14 mm seven segment LED Display	14 mm seven segment LED Display
	Display Range	0 to 9999	0 to 9999
	Decimal	Auto adjust	Auto adjust
E. Mechanical	Enclosure Material	Engineering Plastic	Engineering Plastic
	Bezel Size	96 x 96 mm	96 x 96 mm
	Panel Cutout	92 x 92 mm	92 x 92 mm
	Product	96 x 96 x 50 mm	96 x 96 x 50 mm
	Weight	< 250 g	< 300 g
F. Accuracy	Class 1.0	± 1% of measured value	± 1% of measured value
	Class 0.5s	± 0.5% of measured value	± 0.5% of measured value
	Class 0.2	± 0.2% of measured value	-
G. Environmental	Operational temp.	-10 to 55 Deg C	-10 to 55 Deg C
	Storage temp.	-20 to 70 Deg C	-20 to 70 Deg C
	Relative humidity	0 to 95%	0 to 95%
H. Safety	IP Protection	IP 54 on front plate	IP 54 on front plate
	Device safety	As per IEC 61010	As per IEC 61010



Display Parameters

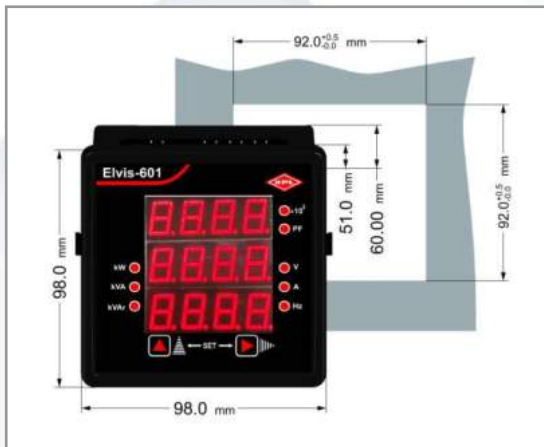
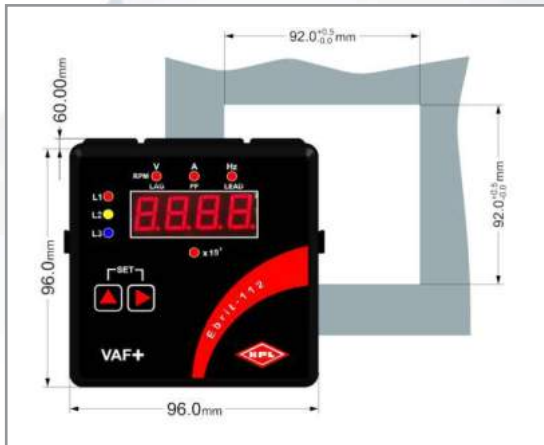
Ebrit Series (Single Line Display) - Run Mode

Display Parameters	Ebrit 101 (V1)	Ebrit 103 (A1)	Ebrit 105 (F)	Ebrit 106 (F+)	Ebrit 102 (V3)		Ebrit 104 (A3)	Ebrit 107 (Pf3)	Ebrit 109 (PM3)	Ebrit 111 (VAF)		Ebrit 112	
					Star	Delta				Star	Delta	Star	Delta
L1 Phase Voltage	•				•				•	•		•	
L2 Phase Voltage					•					•		•	
L3 Phase Voltage					•					•		•	
System Voltage					•					•		•	
L1-2 Line Voltage					•	•				•	•	•	•
L2-3 Line Voltage					•	•				•	•	•	•
L3-1 Line Voltage					•					•		•	
L1 Phase Current		•					•			•	•	•	•
L2 Phase Current							•			•	•	•	•
L3 Phase Current							•			•	•	•	•
System Current							•			•		•	
Frequency			•	•						•	•	•	•
L1 Phase PF							•					•	•
L2 Phase PF							•					•	•
L3 Phase PF							•					•	•
System PF							•					•	•
L1 Active Power								•		•			
L2 Active Power								•		•			
L3 Active Power								•		•			
Sys Active Power								•		•			
L1 Apparent Power								•		•			
L2 Apparent Power								•		•			
L3 Apparent Power								•		•			
Sys Apparent Power								•		•			
L1 Reactive Power								•		•			
L2 Reactive Power								•		•			
L3 Reactive Power								•		•			
Sys Reactive Power								•		•			
RPM				•								•	•

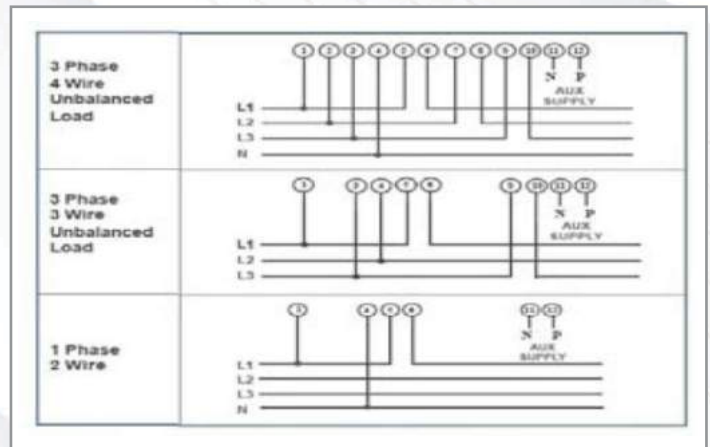
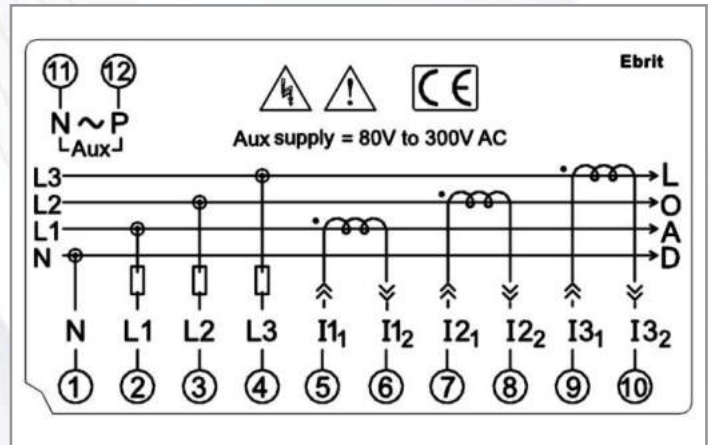
Elvis Series (Three Line Display) - Auto & Push Mode

Display Parameters	Elvis 601 (VAFP)		Elvis 602 (V3)		Elvis 603 (A3)	Elvis 604 (PF3)	Elvis 605 (PM3)
	Star	Delta	Star	Delta	Star	Star	Star
Inst. Phase wise Phase- eutral Voltage	•		•				
Inst. line Voltage (volts)	•	•	•				
Inst. Phase wise Current (Amp)	•	•			•		
Inst. Phase wise Active Power (kW)	•	•					•
Inst. Phase wise Apparent Power (kVA)	•	•					•
Inst. Phase wise Reactive Power (kVAr)	•	•					•
Inst. Phasewise Power Factor (PF)	•	•				•	
Inst. Frequency (Hz)	•	•					
SystemPower Factor (PF)	•	•				•	
Total Active, Apparent & Reactive Power	•	•					•
Avg. Active, Apparent & Reactive Power	•	•					•
Max. Active, Apparent & Reactive Power	•	•					•
Phase wise Average Voltage (Volt)	•	•	•	•			
Phase wise Maximum Voltage (Volt)	•	•	•	•			
Phase wise Average Current (Amps)	•	•			•		
Phase wise Maximum Current (Amps)	•	•			•		
Total Current (Amps)	•	•			•		
Meter Run on Hour (Hr)	•	•	•	•	•	•	•
Meter Power On Hour (Hr)	•	•	•	•	•	•	•
CT Ratio	•	•			•		•
PT Ratio	•	•	•	•			•

Dimensions (mm)



Electrical Connection



Ordering Information

Display	Series	MODEL		ITEM CODE		
		Name	Number	Class 1.0	Class 0.5s	Class 0.2
LED	Ebrit (1 Line)	V1	Ebri1-101	PMEBTN1LEBAT-V1	PMEBTN5LEBAT-V1	
LED	Ebrit (1 Line)	V3	Ebri1-102	PMEBTN1LEBAT-V3	PMEBTN5LEBAT-V3	
LED	Ebrit (1 Line)	A1	Ebri1-103	PMEBTN1LEBAT-A1	PMEBTN5LEBAT-A1	
LED	Ebrit (1 Line)	A3	Ebri1-104	PMEBTN1LEBAT-A3	PMEBTN5LEBAT-A3	
LED	Ebrit (1 Line)	F	Ebri1-105			PMEBTN2LEBAT-F
LED	Ebrit (1 Line)	F+	Ebri1-106			PMEBTN2LEBAT-FP
LED	Ebrit (1 Line)	PF3	Ebri1-107	PMEBTN1LEBAT-PF3	PMEBTN5LEBAT-PF3	
LED	Ebrit (1 Line)	PM3	Ebri1-108	PMEBTN1LEBAT-PM3	PMEBTN5LEBAT-PM3	
LED	Ebrit (1 Line)	VAF	Ebri1-111	PMEBTN1LEBAT-VAF	PMEBTN5LEBAT-VAF	
LED	Ebrit (1 Line)	VAF+	Ebri1-112	PMEBTN1LEBAT-VAFP	PMEBTN5LEBAT-VAFP	
LED	Elvis (3 Line)	Elvis - VAFP	Elvis - 601	PMELCN1LEBAT-VAFP	PMELCN5LEBAT-VAFP	
LED	Elvis (3 Line)	Elvis -V3	Elvis - 602	PMELCN1LEBAT-V3	PMELCN5LEBAT-V3	
LED	Elvis (3 Line)	Elvis -A3	Elvis - 603	PMELCN1LEBAT-A3	PMELCN5LEBAT-A3	
LED	Elvis (3 Line)	Elvis - PF3	Elvis - 604	PMELCN1LEBAT-PF3	PMELCN5LEBAT-PF3	
LED	Elvis (3 Line)	Elvis - Pm3	Elvis - 605	PMELCN1LEBAT-PM3	PMELCN5LEBAT-PM3	