

Technology of Measurement...
defined

êlvis Panel Meter

Elvis Digital Basic Panel Three Phase Meters

- Ammeter
- Voltmeter
- Power Factor Meter
- Power Meter
- VAFP Meter



HPL brings to you a wide range of digital panel meters which measure basic electrical parameters using state-of-the-art technology.





Unique Features

- Accuracy maintained throughout the range
- Three phase 3 Line LED display
- LED indication for Voltage, Current, PF, Frequency & Power
- PT programming range- 110 to 999KV/110 to 500V
- CT programming range – 1 to 9999A/1 to 5A
- Direct measurement upto 650V without external PT
- Diagnostic feature to check connection & phase sequence on display
- In case of over voltage >650V or Over current >7.5A meter display will show HIGH Alert
- Push button based site programmable CT/PT ratio
- Field selectable network (star & delta) option

Technical Specification:

A. Electrical Specification

Auxiliary Power Supply	80 – 300V AC
Auxiliary burden	< 1VA
Voltage circuit burden	< 0.5 VA
Current circuit burden	< 0.5 VA
Frequency Range	45-65Hz

B. Measuring Range

Voltage (Direct measurement)	20 – 650 V AC
Current (Direct measurement)	0.01 – 7.5 A AC

C. Resolution

Voltage (Direct measurement)	0.1 V
Current (Direct measurement)	0.001 A

D. Display

Display	14 mm seven segment LED Display
Display Range	0 to 9999
Decimal	Auto adjust

E. Mechanical

Enclosure Material	Engineering Plastic
Bezel Size	96 x 96 mm
Panel Cutout	92 x 92 mm
Product	96 x 96 x 50 mm
Weight	< 300 g

F. Accuracy

Class 1.0	± 1% of measured value
Class 0.5	± 0.5% of measured value

G. Environmental

Operational temp.	-10 to 55 C
Storage temp.	-20 to 70 C
Relative humidity	0 to 95%

H. Safety

IP Protection	IP 54 on front plate
Device safety	As per IEC 61010



Parameter List

S.no.	Auto Scroll/Push Button Parameters	Elvis -VAFP		Elvis -V3		Elvis -A3	Elvis -PF3	Elvis -PM3
		3P4W	3P3W	3P4W	3P3W	3P4W	3P4W	3P4W
1	Inst. Phase wise Phase-Neutral Voltage	√		√				
2	Inst. line Voltage (volts)	√	√	√	√			
3	Inst. Phase wise Current (Amp)	√	√			√		
4	Inst. Phase-wise Active Power (kW)	√	√					√
5	Inst. Phase-wise Apparent Power (kVA)	√	√					√
6	Inst. Phase-wise Reactive Power (kVAr)	√	√					√
7	Inst. Phase-wise Power Factor (PF)	√	√				√	
8	Inst. Frequency (Hz)	√	√					
9	System Power Factor (PF)	√	√				√	
10	Total Active, Apparent & Reactive Power	√	√					√
11	Avg. Active, Apparent & Reactive Power	√	√					√
12	Max. Active, Apparent & Reactive Power	√	√					√
13	Phase-wise Average Voltage (Volts)	√	√	√	√			
14	Phase-wise Maximum Voltage (Volts)	√	√	√	√			
15	Phase-wise Average Current (Amps)	√	√			√		
16	Phase-wise Maximum Current (Amps)	√	√			√		
17	Total Current (Amps)	√	√			√		
18	Meter Run Hour (Hr)	√	√	√	√	√	√	√
19	Meter Power On Hour (Hr)	√	√	√	√	√	√	√
20	CT Ratio	√	√			√		√
21	PT Raio	√	√	√	√			√

Ordering Information

Model		FG Code	
Name	Number	Class 1.0	Class 0.5
Elvis -VAFP	Elvis - 601	PMELCN1LEDAT-VAFP	PMELCN5LEDAT-VAFP
Elvis -V3	Elvis - 602	PMELCN1LEDAT-V3	PMELCN5LEDAT-V3
Elvis -A3	Elvis - 603	PMELCN1LEDAT-A3	PMELCN5LEDAT-A3
Elvis -PF3	Elvis - 604	PMELCN1LEDAT-PF3	PMELCN5LEDAT-PF3
Elvis -PM3	Elvis - 605	PMELCN1LEDAT-PM3	PMELCN5LEDAT-PM3

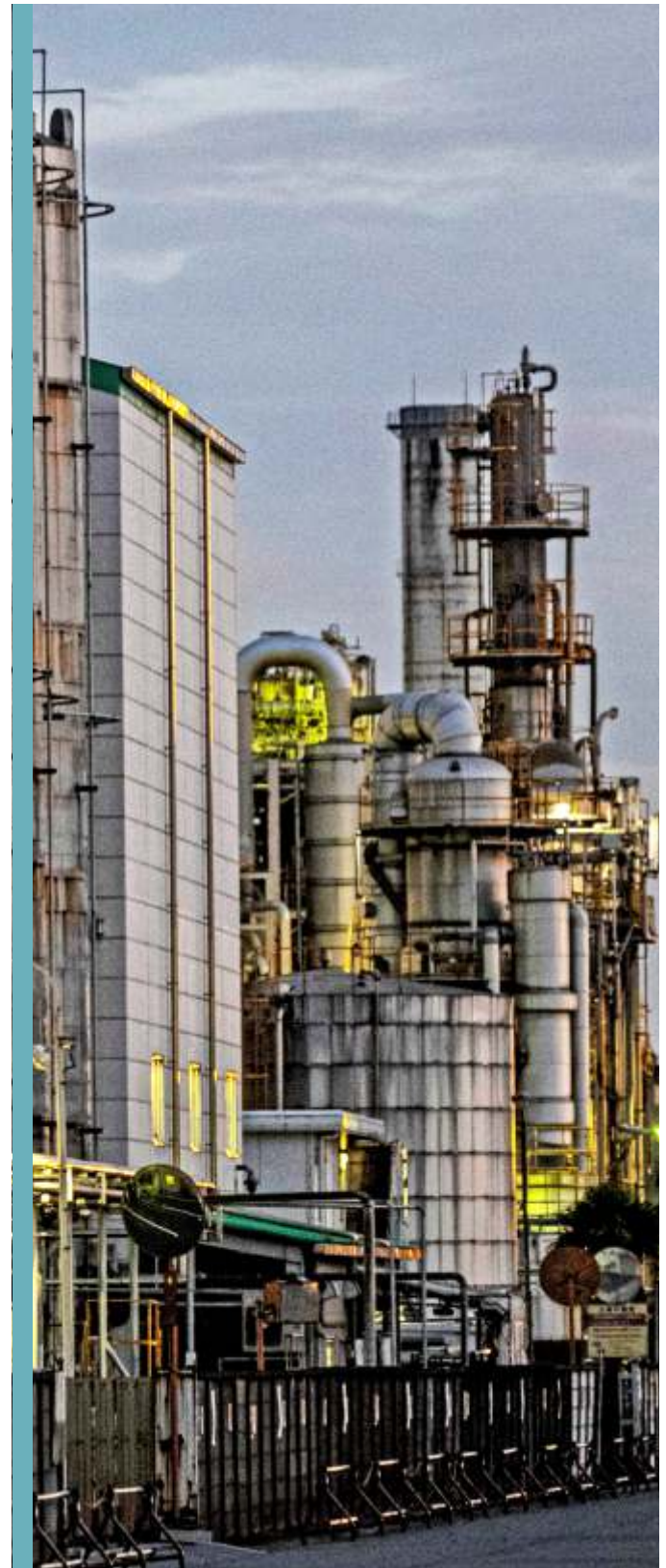
Model-wise Presence of LEDs and Keys are indicated below

1. Model No
2. LED Display
3. kW: Active Power LED
4. kVA: Apparent Power LED
5. kVAr: Reactive Power LED
6. Push Button



Wiring Diagram

Following Standard Wiring diagram can be referred for both Single Phase as well as Three Phase panel meters.



HEPL/ELVISM/01-2-25



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