



warranty
3
years



Pg. M1: VL1, VL2, VL3



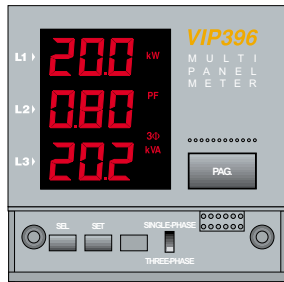
Pg. M2: AL1, AL2, AL3



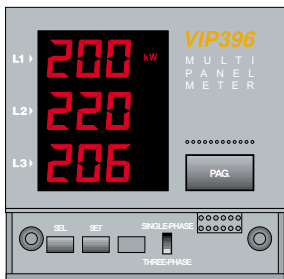
Pg. M6: V, A, Hz



Pg. M2n: A neutral



Pg. M7: P, P.F., S



Pg. M3: P1, P2, P3



Pg. M8: kWh



Pg. M4: S1, S2, S3



Pg. M9: kVAh



Pg. M5: P.F.1, P.F.2, P.F.3



Pg. M10: kVAh

VIP 396 - Multi Panel Meter now provided with 3 Energy Counters

Vip 396 is a 96 DIN panel mount multi-functional instrument ideal for the measurement and display of electrical parameters.

The large clear led displays showing the parameters and values are easily read under all lighting conditions.

The instrument displays up to 25 parameters (see table), and is suitable for installation in single phase, two phase and three phase systems. Connection is via sturdy 2.5 mm² terminals and 5A secondary CTs for current measurement.

Operation is via a simple pushbutton located on the front panel, with set up keys hidden behind a hinged cover.

- ▣ Replaces traditional analogue instruments with one digital package.
- ▣ Improved accuracy and reliability.
- ▣ Simplified installation reducing costs.
- ▣ Competitive pricing.
- ▣ Superior performance on distorted waveforms

MODELS AVAILABLE

- ▣ VIP396 : Standard
- ▣ VIP396 485 : RS485 port with Modbus ASCII, BCD, IEEE
- ▣ VIP396 485-4/20 mA : port and analogic outputs 0/4-20mA
- ▣ VIP396 485-ALM-485 : port and alarm-pulsed-relays outputs
- ▣ VIP396-LON/FTT10A : LONWORKS interface FTT10
- ▣ VIP396-LON/FTT10A/ALM : LONWORKS interface FTT10
Two outputs for pulse / alarm / remote control

TECHNICAL CHARACTERISTICS



Maximum size (mm): instrument: 96 X 96 X 115.4. Cut-out template: 91 X 91
Power supply: from network 230 V ~ or 115 V ~ ± 10% @ 50/60 Hz (4 VA)
Display: Seven-segment 13 mm red LED's , 3 digit on 3 lines
Voltmeter inputs: VL1, VL2, VL3, N up to 430 V ~ phase-neutral, 750 V ~ phase-to-phase, 35400 Hz. Voltmeter input impedance: 2 M ohm
Voltage input overload: max 850 V phase-neutral
Amperometric inputs: AL1, AL2, AL3, COM. Consumption 1 VA.
 Three /5A external curr.transf. required 3 PH And n, 3 PH
Amper. input overload: max 7 A
Number of scales: 1 voltage scale, 2 current scales
Measurements: T.R.M.S. up to 24th harmonic (50 Hz), 20th (60 Hz)
Precision: 1% reading per V and I; 2% for power
Suitable for connection to: Single phase or three phase star, three phase delta, or diphas systems
Weight of instrument: 0.6 Kg
Protection level: instrument IP20, front panel IP30
Ambient temperature range: -10°C + 60°C
Relative humidity range (R.H.): from 20% to 80%. Condensation: non condensing.

FUNCTIONING

At power on, the VIP396 displays the last page selected before power off. Using the selector switch, select the type of system connected: Single phase system (SINGLE-PHASE) or three phase or diphas system (THREE-PHASE).

Use the PAG key to scroll through the different measurement pages. To access SETUP mode, press at the same time the PAG and the SEL keys.

The parameters are programmed with the SEL and SET keys.

Use the PAG key to scroll through the various SETUP pages and return to the Measurement page. The type of connection is configured in SETUP:

3 PH and N (Three phases with neutral, i.e. Star or 4 wires);

3 PH (Three phases without neutral, i.e. Delta or 3 wires);

2 PH = Diphas - Two phases

SETUP protection can be used to prevent unauthorised settings and resetting of counters



Pg. S1: PT/TV SETUP



Pg. S2: CT/TA SETUP



Pg. S3a: 3 wire



Pg. S3b: 4 wire



Pg. S3c: 2 Phase

STANDARD and REGULATIONS - CE Conformity declaration

The VIP396 family of products conforms to Directive 89/336/EEC (EMC) and to Directives 73/23/EEC - 93/68/EEC (LVD).

This instrument has been manufactured and tested in compliance with standards IEC 1010-1 430 V for Cat. III and protection level 2 according to IEC 664-664 A (Safety), EN50081-1, EN50082-2 and EN55022 (EMC).

25 FUNCTIONS

	V	kA	W	VAR	VA	P.F.	Hz	A neutral	kWh	kVArh	kVAh
L1	•	•	•	•	•	•	•				
L2	•	•	•	•	•	•	•				
L3	•	•	•	•	•	•	•				
3φ	•	•	•		•	•		•	•	•	•

DIMENSIONS (mm)

