

KLEA 406R

Klemsan

606702

3Ø Energy Analyzer

Category: Energy Management Products

Type: Energy Analyzers

Group: Electronics Products



Commercial Information

| | |
|-------------------------------------|--------------|
| Package Unit | 1 pcs. |
| Customs Tariff Number | 903032009011 |
| Weight Per Unit Including Packaging | - |

Technical Information

| GENERAL | |
|---------------------|------------|
| LCD Screen | - |
| Language Support | English |
| Password Protection | + |
| Networks | TT, TN, IT |
| Signal Waveforms | - |

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| Battery | - |
| Real Time Clock | - |
| Demand Period | 1-60 min. adjustable. |
| Connection Type | 3P4W, 3P3W |
| Packaging Quantity | 1 |
| Seven Segment Display | - |
| Without Screen | - |
| Min/Max Data | + |
| Demand Data | + |
| Ghost Screen | + |
| Phasor Diagram Display | - |
| Screen Refresh Period | 1sn |
| Number of Samples in the Period | - |
| ENERGY MEASUREMENT | |
| Number of Tariffs | 2 |
| 3Ø Phase Energy Measurement | + |
| Number of Sub Tariffs | - |
| 1Ø Energy Measurement | + |
| Number of Reactive Measurement Zones | 2 |
| CURRENT MEASUREMENT INPUT | |
| Measuring Range | 50mA-6A AC |
| Overvoltage Category | 300 V Cat II |
| Voltage Fluctuation Measurement | <2 kV |
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| Power Consumption | <0.2 VA |
| Intermittent Overload | 100 A for 1 sec |
| Sampling Frequency Between 45-65 Hz | - |
| VOLTAGE MEASUREMENT INPUT | |
| Overvoltage Category | 300 V Cat III |
| Measuring Range L-N | 10-300 Vrms |
| Measuring Range L-L | 17-500 Vrms |
| Frequency Measuring Range | 45-65 Hz |
| Power Consumption | <0.1 VA |
| Sampling Frequency Between 45-65 Hz | - |
| POWER QUALITY MEASUREMENTS | |
| Harmonic Measurement / Current and Voltage | - |
| THDI | - |
| THDV | - |
| MEASURING ACCURACY - IEC 61557-12 | |
| Total Active Power | Class 1 |
| Total Reactive Power | Class 1 |
| Total Reactive Energy | Class 2 |
| Frequency | Class 0.2 |
| Current | Class 0.5 |
| Neutral Current | Class 0.5 |
| Voltage | Class 0.5 |
| Power Factor | Class 0.2 |
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| THDV, THDI | Class 1 |
| Total Apparent Power | Class 1 |
| Total Active Energy | Class 1 |
| MEASURING ACCURACY - IEC 62053-22 | |
| Total Active Energy | Class 1 |
| MEASURING ACCURACY - IEC 62053-23 | |
| Total Reactive Energy | Class 2 |
| ALARM RELAY OUTPUTS | |
| Number of Outputs | 2 NO |
| Max. Switching Current | 10 A |
| Max. Switching Voltage | 250 VAC |
| Max. Switching Power | 1250 VA |
| POWER SUPPLY | |
| Voltage | 85-300V AC - 85-300V DC |
| Frequency | 45-65Hz |
| Consumption | <3VA AC - <2.5W DC |
| MECHANICAL PROPERTIES | |
| Weight (g) | - |
| Protection Class | IP54 |
| Mounting Type | Panel Mount |
| ENVIRONMENTAL CONDITIONS | |
| Operating Temperature | -25°C +70°C |
| Storage Temperature | -30°C +80°C |
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|------------------------------------|----------------------------|
| Relative Humidity (Non-condensing) | Max. 95% (no condensation) |
| COMMUNICATION | |
| Protocol | Modbus RTU |
| Baud Rate | 1200-57600 |
| Parity | Odd, Even, None |
| Stop Bit | 1 |
| Slave ID | 1-247 |
| Isolation | 2750V RMS |
| TIME RECORDED DATA STORAGE | |
| Hourly Records | - |
| Daily Records | - |
| Monthly Records | - |
| Demand | - |
| Alarm Records | - |
| DIGITAL OUTPUT | |
| Isolation Level | 3750 Vrms |
| Number of Outputs | 2 |
| Voltage Switching Range | Transistor |
| Minimum Switching Frequency | 5-30 VDC |
| DIGITAL INPUT | |
| Minimum Counting Frequency | 100 Hz, 10 ms |
| Input Type | Dry Contact |
| Number of Inputs | 2 |
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| Isolation Level | 3750 Vrms |
| ETHERNET INTERFACE | |
| Protocol | - |
| Port | - |
| Gateway Feature | - |
| Performance | - |
| ANALOG OUTPUT | |
| Output Ranges 0-5 V, 0-10 V, -5-5 V, -10-10V, 0-20 mA, 4-20 mA | - |
| Isolation | - |
| OTHER MEASUREMENTS | |
| Operating Time Counter | + |
| Open Time Counter | + |
| Power Failure Counter | + |
| BASIC ELECTRICAL MEASUREMENTS | |
| Current | + |
| Voltage | + |
| Frequency | + |
| Active Power | + |
| Reactive Power | + |
| Apparent Power | + |
| Power Factor | + |
| Cos Ø | + |

CABLE CROSS-SECTIONS POWER SUPPLY, VOLTAGE, RELAY

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|-------------|--|
| Multi-Core | 2.5mm ² - 14AWG |
| Single Core | 4mm ² - 12AWG, 2x1.5mm ² - 2x16AWG |

CABLE CROSS-SECTIONS CURRENT

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|-------------|--|
| Multi-Core | 4mm ² - 12AWG, 2x1.5mm ² - 2x16AWG |
| Single Core | 4mm ² - 12AWG, 2x1.5mm ² - 2x16AWG |

CABLE CROSS-SECTIONS DIGITAL INPUT/OUTPUT, RS485, ANALOG OUTPUT

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|-------------|--|
| Multi-Core | 1.5mm ² - 16AWG |
| Single Core | 1.5 mm ² -16 AWG, 2x0.75 mm ² - 2x18 AWG |