KLEA (Energy Analyzer)

- **KLEA Energy Analyzer** is an automation device which offers 3-phase energy monitoring, analyzing and controlling the network comprehensively. It enables advanced applications such as energy metering, DIO applications etc.
- All the data which are being measured can be transmitted to remote monitoring system thanks to modbus communication.
- Digital inputs can be used as a counter, equipment status/position monitoring or activation second tariff which is used by generators.
- Low/high limit thresholds for all electrical parameters can be defined so load management in a Network is possible by means of alarm relay outputs.
- In dept. analysis of individual current and voltage harmonics in order to increase network quality. Specifying run hours, on hours and power interruptions in order for your machines to use more effectively.

### KLEA 220P
- **Display**: KLEA 220P: LCD
- **KLEA 110P**: 7 Segment
- **Measurements**: V, VLL, I, IN, F, PF, P, Q, S, THD, 1-31 Harmonics, Demand Values, On Hour, Run Hour.
- **Energy Meter**: 2 Tariffs
- **Alarm Relay**: 2 Pieces
- **Communication**: RS485
- **Digital Inputs**: KLEA 220P: 2 Piece
  - KLEA 110P: 1 Piece
- **Digital Outputs**: 2 Piece
- **Protection Class**: IP40 Front/ IP20 Rear.

### KLEA 110P
- **Measurements**
  - Total Active Power: Class 0.5
  - Total Reactive Power: Class 1
  - Total Apparent Power: Class 0.5
  - Total Active Energy: Class 0.5
  - Frequency: Class 0.1
  - Current: Class 0.5
  - Neutral Current: Class 0.5
  - Voltage: Class 0.2
  - Power Factor: Class 0.5
  - THDV, THDI: Class 1

### Measurement Accuracy (IEC 61557-12)
- **Total Active Energy**: Class 0.55

### Measurement Accuracy (IEC 62053-22)
- **Total Reactive Energy**: Class 2

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NIMA ARABIA
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