

The new **DUCATI** instrument

New format, new functionalities and cost effective



DUCA47-72

Part Code – 468 00 1255

DUCA47-72-SP (with RS485)

Part Code – 468 00 1256

- **New dimensions 72x72 mm** panel mounting with **4 LED's display with 7 segments** for an excellent reading of the measurements
- All the measurements are evaluated in **“true RMS”** mode
- **High accuracy** thanks to **“oversampling”** techniques and automatic calibration process
- **68 total measurements** with Energy-Analyser's functions
- Easy use and *setup* configuration
- **VT** (voltmeter transformer) with transformation ratio programmable from 1 to 500
- **CT** (current transformer) “*..5A*” with transformation ratio programmable from 1 to 1250
- User selectable **“default displayed page”** both for single line (display L1, L2 and L3) and three-phase system (4-th display) display
- **Automatic detection of CTs current flow** for easy installation
- Active and Reactive **Energy counting**
- **Single-Phase electrical parameters measurement** (display L1, L2, L3):
 - Phase-to-Phase Voltage (**VL-L**), Phase-to-Neutral Voltage (**VL-N**) and Line Current (**A**)
 - Line Active Power (**W**), Line Reactive Power (**VAR**) and Line Apparent Power (**VA**)
 - Line Power Factor – **cosφ (PF)**
 - Line (L1, L2, L3) and Total (3P) Active Energy counter – 9 digits visualisation each value (**kWh**)
 - Line (L1, L2, L3) and Total (3P) Reactive Energy counter – 9 digits visualisation each value (**kVARh**)
- **Three-Phase electrical parameters measurement** (4-th display):
 - Three-Phase system Voltage (**ΣV**) and Three-Phase system Current (**ΣA**)
 - Frequency (**Hz**)
 - Three-Phase Active Power (**ΣW**), Three-Phase Reactive Power (**ΣVAR**) and Three-Phase Apparent Power (**ΣVA**)
 - Three-Phase Power – **cosφ (ΣPF)**
- **Max/min/average values memorisation** of the main electrical parameters:
 - **Min values:** Phase-to-Neutral Voltage (**VL-N**), Line Current (**A**), Three-Phase Active Power (**ΣW**), Three-Phase Reactive Power (**ΣVAR**) and Three-Phase Apparent Power (**ΣVA**)
 - **Max values:** Phase-to-Neutral Voltage (**VL-N**), Line Current (**A**), Line and Three-Phase Active Power (**W** e **ΣW**), Line and Three-Phase Reactive Power (**VAR** e **ΣVAR**), Line and Three-Phase Apparent Power (**VA** e **ΣVA**)
 - **Average values (calculation period: 15 minutes):** Line and Three-Phase Active Power (**W** e **ΣW**), Line and Three-Phase Reactive Power (**VAR** e **ΣVAR**), Line and Three-Phase Apparent Power (**VA** e **ΣVA**)
- **Hours counter function** (2 counters):
 - Working time counter (hours and minutes), resetable from setup menu
 - **“Count-down”** timer (hours and minutes) for maintenance reminder
- **RS485 serial interface** with galvanic insulation (*only DUCA47-72-SP model, part code 468001256*)
 - Available protocols: ASCII Ducati and MODBUS-RTU
 - Baud rate (up to 19200bps), programmable parity and stop bits number
- **Two digital outputs** (*only DUCA47-72-SP model, part code 468001256*) used in alternative:
 - **Pulsed outputs** proportional to Active and Reactive Energy consumption
 - **Alarm outputs** with single threshold selectable among 28 different electrical parameters, with programmable delay for alarms's activation/deactivation
- Firmware upgrade thanks to the Flash-eprom
- **Power supply:** 230Vac (±10%) and 400Vac (±10%) – 45÷65Hz



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