

# MiCOM P127

## New Cost effective solution for MV Feeder



To answer the tremendous challenge of managing energy flows, the MiCOM P127 now offers both Class 0.5 metering and protection functions in a single compact box.

Due to its flexibility, simplicity and reliability, the MiCOM P127 perfectly suits feeder applications in oil & gas, mining & metal, infrastructures, power plants and distribution utilities.

### What's New on the MiCOM P127?

#### METERING FACILITIES

Dedicated measurement CTs permit data acquisitions to reach Class 0.5 for power and energy.

Power quality measurements such as harmonics, THD and TDD are provided to evaluate network reliability.

#### DUAL IEC 60870-5-103 PORT

Due to its connection to two independent IEC103 master stations, maintenance action can be performed without disturbing day-to-day operator work.

#### LOAD SHEDDING MANAGEMENT

Rate of Frequency change used to balance the supply of electricity on the network with the electrical load.

#### CT SUPERVISION

To monitor the complete acquisition chain, detection of phase CT loss has been implemented.

#### 8 SETTINGS GROUPS

Up to eight independent setting groups are available to manage various customer application schemes.



#### CUSTOMER BENEFITS

- Highly reliable
- Full set of measurements, metering & records
- Full set of MV protection functions
- Simple & flexible solution

**FLEXIBILITY**

**Full set of MV protection functions**

All-in-one solution including current, voltage and frequency protection functions to cover MV Feeder requirements.

**Advanced communication protocols**

Easy integration in substation Digital Control System or SCADA through Modbus, IEC60870-5-103 or DNP3 protocols.

**Multiple synchronization source**

Modulated & unmodulated IRIG-B, opto-input or RS485 protocol synchronization used to insure a time stamping accuracy of 1ms.

**Customizable reflex automation**

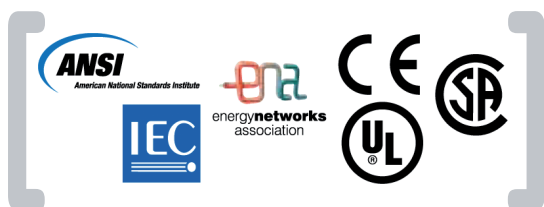
Up to 8 independent & inter-usable Boolean Logic Equations based on AND/OR/NOT gates available to implement customer reflex automation scheme.



**RELIABILITY**

**Compliance with international standard**

Quality design compliant with ANSI, CE, IEC, ENA, UL/CSA standard.



**State of the art manufacturing site**

Environmentally friendly plant certified ISO 9001:2000, ISO 14001 and OHSAS 18001.



**World class laboratories**

IEC 17025 accredited demonstrating independent assessment and able to perform test to comply with any environmental standards & EMC.

**SIMPLICITY**

**Minimize spare variants**

Single model including:

- dual rated CT inputs (1A or 5A)
- universal power supply (24-250Vdc/48-240Vac)
- digital inputs (24-250Vdc/24-240Vac)

**Ease replacement**

Withdrawable design to eliminate the need for rewiring and disconnecting communication port which considerably reduce time to replace it.

**Fast configuration**

Settings configuration to be performed via its 13 languages user-friendly HMI ( Chinese, Russian, Portuguese, Turkish ...etc), via S1 Studio settings software or via its dedicated RS485 maintenance port.

**Ease post-fault analysis**

Up to 250 events, 25 fault and 5 disturbance records available for quick and efficient post-fault analysis.



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