

## Sentron PAC Meter (LV-PAC)

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### Short Description

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Recapitulation Need of energy management Basic concept of relevant with energy management. Introduction to new energy management standard definitions.

### Objectives

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The participants learn SENTRON PAC meter configuration and parameterization along with communication options using PROFIBUS, PROFINET and MODBUS TCP/IP. The effective use of the commissioning and parameterization tool powerconfig is communicated in the practical unit.

### Target Group

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Operation/ Service / Maintenance/Commissioning/Planning/Sales

### Content

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- Need of energy management
- Basic concept of energy management – Active, reactive & apparent components, harmonics, power quality, Form factor, crest factor, introduction to industrial tariff, demand measurement, pollution degree, over voltage category, zero blind measurement.
- PAC Meter 3100- Range, features, benefits, installation guidelines, basic parameterization & communication via gateway.
- PAC Meter 3200- Range, features, benefits, installation guidelines, basic parameterization & communication via Ethernet.
- PAC Meter 4200- Range, features, benefits, installation guidelines, basic parameterization & communication Ethernet, profibus.
- PAC meter parameterization through Powerconfig software.
- Logic block function, power consumption (KWh and MD) and Sliding Window Demand in PAC4200
- Introduction to report management- Daily reports, cost center reports, allocation reports.
- Integration of PAC meter with S7 PLC.

### Prerequisites

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Engineers from electrical /electronics engineering. Participants should be familiar with the PLC.

### Type

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Face-to-face training

### Duration

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2 days

### Language

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### Fee

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12,000 INR