

Sentron types

| Unit Model | Base & Optional Communication Protocols | Network Configuration (Phase/Wire) | MID Certification Status | Accuracy Limits (Active Energy) | Harmonic Limits & Features |
|---------------------|--|--|--|--|--|
| PAC2200 | Modbus TCP or Modbus RTU (Fixed variant via hardware selection) | 1-phase, 2-phase, or 3-phase (up to 3-wire/4-wire) | Yes (Dedicated MID variants available) | Class 1 (IEC 62053-21) / Class B (MID) | Total Harmonic Distortion (THD) only |
| PAC3100 | Modbus RTU (Integrated); No optional slots | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No | Class 1 (IEC 62053-21) | No structural harmonics tracking |
| PAC3120 | Modbus RTU (Integrated) | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | Yes (Dedicated MID variants available) | Class 1 (IEC 61557-12) | THD for Voltage and Current |
| PAC3200 | Modbus TCP (Integrated). Optional: PROFINET, PROFIBUS, Modbus RTU | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No | Class 0.5S (IEC 62053-22) | Odd harmonics up to the 31st |
| PAC3200T | Modbus TCP (Integrated). Optional via Proxy: PROFINET | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No | Class 0.5% (IEC 61557-12) | THD and asymmetry limits |
| PAC3220 | 2x Modbus TCP (Dual RJ45 port). Optional: PROFINET, PROFIBUS | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | Yes (Dedicated MID variants available) | Class 0.5S (IEC 62053-22) | Odd harmonics up to the 31st |
| PAC4200 | Modbus TCP (Integrated). Optional: PROFINET, PROFIBUS, Modbus RTU Gateway | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No | Class 0.2 (IEC 61557-12) | Comprehensive tracking up to the 64th |
| PAC4220 | 2x Modbus TCP (Dual port, 12 links). Optional: PROFINET, PROFIBUS | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No | Class 0.2 (IEC 61557-12) | Comprehensive tracking up to the 64th |
| Sentron 9410 | Dual-port Modbus TCP, Modbus RTU, ION Protocol, IEC 61850, DNP3 | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No (Meets ANSI C12.20 Revenue class) | Class 0.2S (Ultra-high precision) | Individual harmonics up to the 63rd + Waveform capture |
| Sentron 9810 | Dual-port Modbus TCP, Modbus RTU, ION Protocol, IEC 61850, DNP3, DLMS | 1-phase, 2-phase, or 3-phase (3-wire/4-wire) | No (Meets ANSI C12.20 Revenue class) | Class 0.1 (Laboratory grade standard) | Advanced grid analysis up to the 127th + Transient recording |

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