

# PS200-NG
# Sensor-Amplifier-System

Montronix®
MONITORING SOLUTIONS



| Scope of delivery | |
|---|---|
| PS200-NG Kit | Part# 303795 |
| consisting of: | |
| 1 amplifier module | Part# 303794 |
| 3 hall sensors | Part# 303792 |
| 1 connection cable | Part# 720023 |
| Available parts, accessories: | |
| Extension cable 1 m | Part# 504048 |
| Extension cable 2 m | Part# 504049 |

| Technical Specifications Amplifier: | |
|---|---|
| Dimensions (HxWxD in mm) | approx. 121 x 42 x 120 (without terminals) |
| Housing | Aluminum, for 35 mm DIN rail mounting |
| Weight | approx. ca. 660 g (incl. sensors) |
| Protection class | IP40 |
| Temperature range | Operation 0 to 50 °C<br>Storage -10 to 70 °C |
| Relative humidity | 0 to 95 % non-condensing |
| Voltage supply | 18 to 36 V DC, 15 W max. |
| Outputs | 1 x IBU-NG |
| Output signal | -10 to +10 V |
| Measuring range | Current 40 or 200 A (switchable)<br>Voltage: 600 V<br>Band width: 20 kHz |
| Gain | 1, 2, 4, 8,1 6, 32, 64, 128, 256, 512, 1024, 2048, 4096 |
| Diameter cable leadthrough | Ø 60 mm |
| Certification | CE |

| Technical Specifications Sensor: | |
|---|---|
| Sensor type | Power sensor |
| Dimensions (HxWxD in mm) | approx. 53 x 78 x 18 |
| Protection class | IP67 |
| Temperature range | Operation -20 to 70 °C<br>Storage -20 to 85 °C |
| Rated current | 200 AT |
| Maximum current | ±300 A @ RM=30 Ω |
| Voltage supply | ±12 V bis ± 15 V<br>± 5 % |
| Outputs | 100 mA |
| Output current accuracy | ±1 % |
| Output linearity | ±0.25 % |
| Response time | ≤ 1µs @ di/dt = If /µs |
| Hysteresis allowance | ≤ 0.3 mA (0 A ↔ If) |
| Connection | PUR cable with M8 3-pin male plug |
| Material | Insulated plastic case according to UL94V0 |
| Diameter cable leadthrough | Ø 60 mm |
| Certification | CE |




CAUTION High Voltage
Proper Disposal:
Electronic scrap

All warnings and other important, detailed information must be obtained from the operating manual. This document is not subject to an automatic revision service.

Montronix GmbH
Gottlieb-Daimler-Str. 53/1
D-71711 Murr
Germany

Telephone: +49 7144 15086 30
Fax: +49 7144 15086 31
E-Mail: info@montronix.de
Internet: www.montronix.com