



MAP Range

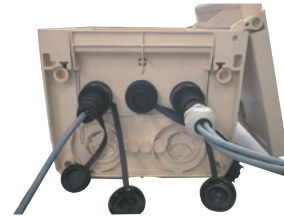
Self-powered analyzer – Measurement in pole-mounted boxes

► Power Quality Analyzers

MAP 620-NI in its pole-mount box with the voltage coil and the current-sensor torch



Output via leakproof connectors on the underside of the box



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► Environment

Operating temperature:

-10°C to + 50°C

Relative humidity:

10% - 85%, without condensation

Installation category:

Category III, 600 V (300 V for the MAP607)

Pollution level: 2

► Compliance with standards

Measurements:

- EN 61000-4-30: Voltage quality measurement method (Class A RMS values)
- EN 61000-4-7: General guide to harmonic and interharmonic measurements
- EN 61000-4-15: Test and measurement technique: flickermeter

Safety (Low Voltage Directive):

- EN 61010-1: Safety rules for electrical equipment for measurement, testing and laboratory use
- EN 60950: Safety of data processing equipment

Communication:

- Protocol compatible with the associated Qual-SRT, E.Qual-Premium and E.Qual-Premium Server software, TCP/IP encapsulation on internal Ethernet port (option)

Electromagnetic compatibility:

- EN 61326-1: Instructions concerning EMC for electrical measurement, control and laboratory equipment including:
 - EN 61000-4-2: Electrostatic discharge Level 3 (Air 8 kV / Contact 4 kV)
 - EN 61000-4-3: Immunity to radiated electrostatic fields – Level 3 (10 V/m)
 - EN 61000-4-4: Fast electrical transients – Level 4 (2kV)
 - EN 61000-4-5: Immunity to voltage surges – Level 4 (common mode 2 kV, differential mode 1 kV)
 - EN 61000-4-6: Immunity to conducted disturbances – Level 3 (3 Vrms)
 - EN 61000-4-8: Level 4 (30 A/m)
 - EN 61000-4-11: Level 0 (duration 0.5 period – voltage dip and short interruption 100% U)
 - EN 61000-4-12: Level 3 (common mode 2.5 kV / diff. mode 1.0 kV)
- CISPR 16-2-1, CISPR 16-2-3, EN55011 (EN5022 required by the generic standard EN 61326)

► Mechanical specifications

Weight:

- 1.3 kg (MAP 610, MAP612-NI, MAP 620 and MAP640)
- Mechanical shock test: EN60068-2-27: table 1: 30 g/18 m sec

Connection:

- 4 mm² cable for U and I
- 2.5 mm² cable for inputs/outputs