

P-EASY

industrial data radio

The P-EASY data radio device is a tried and tested solution, proving its worth in countless applications worldwide. It features a robust metal case with touchscreen, an efficient radio protocol and an user-friendly visual configuration software.

P-EASY combines full capability with easy implementation for first time users.

PLC-DATA OVER RADIO

P-EASY is a narrowband radio and covers distances of several dozen kilometers, connections are achieved even outside the direct line of sight.

It reliably transmits control- and measurement data and integrates with a wide range of PLC-systems. Utilizing the efficient radio protocol and routing, operations can be scaled up to large and complex networks.

EASY USAGE

On P-EASY all parameters can be set directly on the touchscreen. The additional PC-software visualizes the network and eases the configuration: Changes to one station or the entire network are made with few clicks and then transmitted by remote maintenance.

SELF-DIAGNOSTICS AND OPTIMIZATION

P-EASY devices regularly check the systems status. The software addons (P-EASY NetMonitor and P-EASY NetOptimizer) supervise the operation and automatically provide optimizations, when they are necessary. This leads to a reliable and stable network that doesn't change, unless you want it.



FOR USE IN

- ▶ Energy networks
- ▶ Water supply networks
- ▶ Waste water networks

P-EASY is developed and distributed by P-TECH. You can also buy the system from our partners.

P-EASY TECHNICAL PARAMETERS

Frequency range	335–380 MHz, 403–470 MHz
Channel spacing	12.5 kHz , 25 kHz
Output power	0,01–5 W / 50 Ohm
Data rate on the radio channel	19.200 or 9.600 Bit/s, changeable
Reception sensitivity	-116 dBm @ 10 ⁻³ BER
Output power	0,01–5 W / 50 Ohm
Antenna connection	BNC
Supply voltage	10,8–18,0 V DC
Power consumption receiving, display off	230 mA
Power consumption receiving, display on	250 mA
Power consumption transmitting 1 W	770 mA
Power consumption transmitting 5 W	1,4 A
Operation temperature range	-25°C to +55°C
Dimensions (LxWxD)	104 x 97 x 32 mm
Weight	475 g
RS-232 interface	9-pin mini-DIN female
RS-422/485 interface	screw clamp
Ethernet	RJ45, 10/100 Mbit
Mount	DIN-Rail
Standards	EN 300 113-1, EN 300 113-2, EN 301 489-5, EN 60 950, EN 50 385
Supported protocols (selection)	IEC 870-5-101, Modbus, Sinaut ST7, Allen Bradley DF1