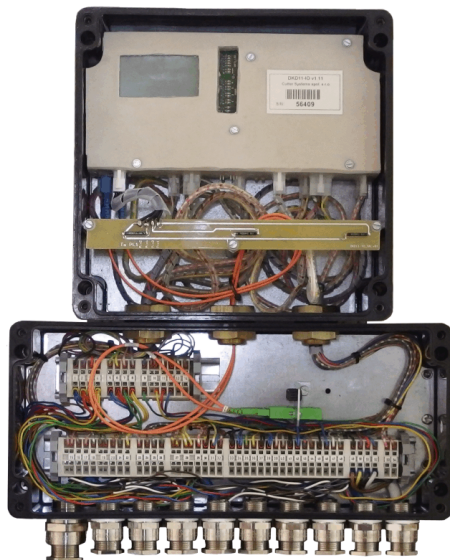# Mining transmission system DPS-11

DKD-11-IO

Monitoring, rescue and control system DPS-11 for mines and industry

DPS-11 components:

Surface part:
- Reader A71-04
- Switchboard RM1-DPS-11 with server

Mining part:
- Intrinsically safe source SME-02
- Mining data concentrator DKD-11
- Mining data concentrator DKD-11-IO
- Communication cable RFK-01
- TAG-ZAM-08 / TAG-ZAM-08A
- TAG-ZAM-4DI-xx
- TAG-ZAM-FACE
- Communication device TE-01
- TE-02 barcode reader
- Explosive gas detectors SC-CH4
- SC-TOX toxic gas detectors

Advantages:

√ **ATEX certification**

√ **On-line transmission of information between the mine and the surface**

√ **Up to 20 clients and 1000 data points per server**

√ **Archiving and viewing of measured data in SW SCADA**

√ **Communication using TCP / IP protocol**

√ **Remote access to the device via the Internet**

Application:
- Digital and analog data transmission
- remote control and monitoring technology
- wireless and voice communication
- management of the transport technology part
- air atmosphere monitoring
- detection of personnel in dangerous areas
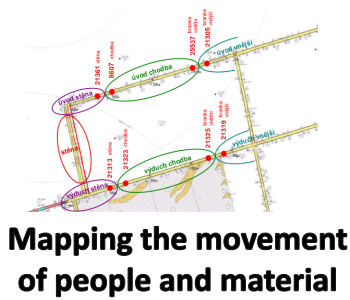- identification and location of personnel / equipment / material

The DPS11 provides communication and power to the peripherals connected to this system. Provides data transmission with information on eg measured methane concentrations, analog signal levels, states of binary inputs, binary outputs and voltage outputs.

Concentrators DKD11, DKD11-IO and intrinsically safe source SME-02 are designed for use in underground and surface areas of mines with an increased risk of methane explosion.
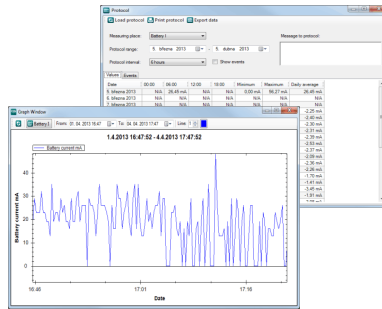
Important note: Technical parameters of the DPS-11 may be changed. Please contact us for further technical advice and tailor-made solutions.

zam servis

Mining transmission system DPS-11

Rack with server, modems and UPS

Software SCADA

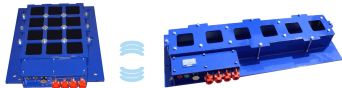**Mapping the movement of people and material**

Optical cable

Data concentrator DKD11
Data concentrator DKD11 IO

Monitoring of danger zones on conveyors

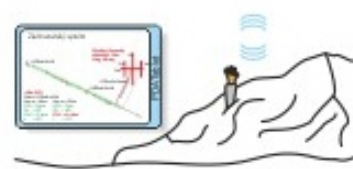**Detection of dangerous gas concentrations**
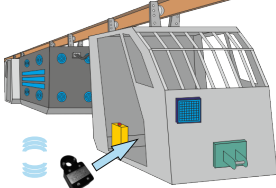
Air flow monitoring

Voice communication

Personnel identification and localization

Location of the missing personnel

Movement and condition of locomotives

Material logistics

PDA

Device control I / O modules

detailed information can be obtained on this website