

VLIT AP A1 ATEX

PROXIMITY READER FOR MINES
AND EXPLOSIVE ENVIRONMENT



VLIT AP A1 ATEX is the reader for using with personal and industrial active tags. This reader is intended for use in mines and explosive environment. Together with Tags and Software application it completes the smart zone monitoring system to ensure safety of each employee in mine area and improve logistics for effective control. Compatibility of this reader with existing communication network in mine is supported.

GENERAL SPECIFICATION:

- Licence-free ISM band 868 MHz
- Bidirectional non-collision long range communication
- Adjustable sensitivity of the reader
- Optional wireless communication path (two communication modules required)
- Internal Backup battery (5 cells) and Internal memory (1024 B) for full operation in case of Power or Communication Failure
- Unique ID number: 6 B

TECHNICAL PARAMETERS:

- Dimension: 122 x 120 x 92 mm
- Weight: 220 g
- Operation temperature: 0°C ... 40°C (with relative humidity 0 ... 95%)
- Protection class: IP 66
- Power supply voltage: 10 - 22V DC
- Power consumption: 100 mA in peak / 30mA average (depends on operation mode)

CERTIFICATION:

- ATEX certification for using in explosive environment (according to directive 94/9/EC)
- EMC/ERM testing
- Declaration of conformity