



**T E V E L**

TEVE VARNOST ELEKTRONIKA



## PORTABLE GAS DETECTOR INEP-Z

### APPLICATION, DESCRIPTION

Gas detector type INEP-Z is a portable, micro-controlled device used for gas detection in underground coal mines (category I) and is designed according to standards EN 60079-0:2006, EN 60079-11:2007 and EN 50303:2000

### TECHNICAL DATA



Certificate	SIQ 11 ATEX 234X, IECEx
Protection class	I M1 Ex ia I
Measuring range	CH <sub>4</sub> 0-100% volume Resolution: 0.01% volume for the range 0,00-5,00% volume methane and 0.1% volume for the range 5,1-100,0% volume CO <sub>2</sub> 0-2% CO 0-500ppm O <sub>2</sub> 0-30%
Power supply	3,6V/3000mAh
Power consumption	max 120mA
Autonomy	>24h (battery fully charged)
Weight	1480g
Mechanical protection	IP54
Dimensions	224 x 85mm (without hook)
Operation temperature	-20°C - +50°C
Relative humidity	15-90% RH
Housing	Stainless steel
Impact test	>7J

### KEY FEATURES

- Continuously measures levels of explosive and toxic gases in underground mines
- NDIR cell measures methane (CH<sub>4</sub>) and carbon dioxide (CO<sub>2</sub>)
- Chemical cell measures carbon monoxide (CO) and oxygen (O<sub>2</sub>)
- Warns the user with a sound alarm and different coloured LEDs on detecting each gas
- Measures relative humidity (Rh), air temperature (T) and air pressure (p)
- Displays current values on an illuminated screen, installed behind reinforced protective glass.
- Remote (via Bluetooth) and manual set up (via three buttons) options
- Supplied with specially-designed charger for use only outside explosion danger zone

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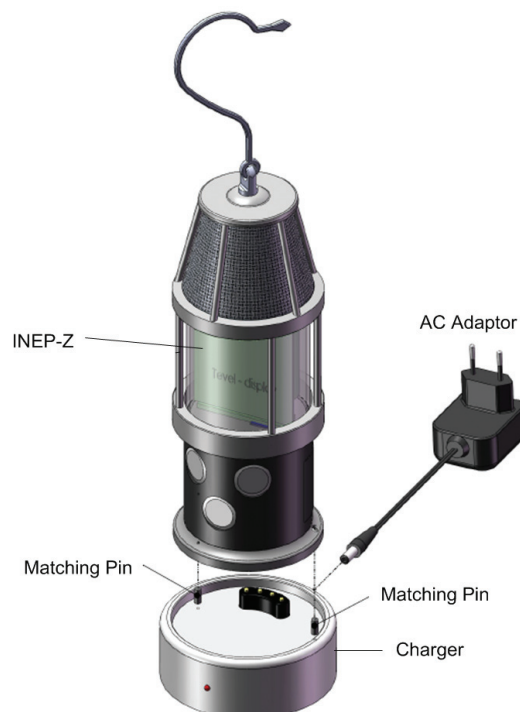


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### INEP-Z CONFIGURATIONS AND OPTIONAL ACCESSORIES

Description

Ordering part number

INEP-Z - CH <sub>4</sub> IR, temp, humidity, air pressure	7287
INEP-Z - CH <sub>4</sub> IR, CO <sub>2</sub> IR, temp, air humidity, air pressure	7719
INEP-Z - CH <sub>4</sub> IR, CO <sub>2</sub> IR, CO, temp, air humidity, air pressure	7720
INEP-Z - CH <sub>4</sub> IR, CO <sub>2</sub> IR, CO, O <sub>2</sub> , temp, air humidity, air pressure	7721
INEP-Z - CH <sub>4</sub> IR, CO <sub>2</sub> IR, O <sub>2</sub> , temp, air humidity, air pressure	7722
INEP-Z - CH <sub>4</sub> IR, CO, O <sub>2</sub> , temp, air humidity, air pressure	7723
INEP-Z - CH <sub>4</sub> IR, CO, temp, air humidity, air pressure	7724
INEP-Z - CH <sub>4</sub> IR, O <sub>2</sub> , temp, air humidity, air pressure	7725

#### \*Accessories

Charger INEP-Z	7704
Calibration kit (without gas cylinder)	7705
Protective case	7706

\*INEP-Z is supplied with: charger, charging adaptor, calibration set (without gas cylinder) and protective case.

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