

SLOVENSKO
ENGLISH

INDUSTRIJA INDUSTRY

**PRENOSNI DETEKTORJI
PORTABLE DETECTORS**

**ALARMNE CENTRALE
ALARM UNITS**

**SENZORJI IN DETEKTORJI
SENSORS AND DETECTORS**

**SIGNALIZACIJA
SIGNALIZATION**



ATEX

TEVEL
SINCE 1990



INDUSTRIJA PRENOSNI DETEKTORJI

INDUSTRY PORTABLE DETECTORS

Prenosni detektor VOHLJAČ

Senzor plinov VOHLJAČ je prenosna naprava za ugotavljanje prisotnosti plinov (propan, butan, metan) na plinovodih, pečeh, kurilnicah, itd. Sestavljen je iz ohišja z elektroniko in ene merilne glave.

Merilni obseg: 0–50 % SME

Portable gas detector VOHLJAČ

Portable gas detector Vohljač is designed for measuring of explosive gases (propane, butane, methane) in boiler houses, detection of gas leakage on instalations, pipes, valves, etc. Vohljač is built of polycarbonate housing and one sensor measuring head.

Measuring range: 0–50% LEL



Prenosni detektor plina CO₂ SCOUT

Scout je nizkocenovni, majhen detektor plina CO₂, katerega lahko upravljamo na daljavo. Detektor postavimo v prostor, kjer je velika verjetnost visoke koncentracije plina CO₂.

Vrednosti CO₂ lahko odčitamo na pametnem telefonu z aplikacijo in brezžično povezavo z Bluetooth-om. Naprava je primerna v primerih, kjer je velika verjetnost ogroženosti človeškega življenja, npr. gasilci, vinarji ... Kadar je vrednost plina CO₂ nad mejno, bosta detektor in aplikacija Scout opozorila z vidnimi signali, zvočnimi ali z vibriranjem.

Merilni obseg: 0–6 % volume CO₂

Portable gas detector LogiCO₂ SCOUT

The LogiCO₂ Scout – Low cost, pocket-sized and remote CO₂ detector. The Scout CO₂-detector can be rolled into a basement or other risk area.

The Scout will indicate if there is a dangerous concentration in the area. This way nobody need to enter the risk area and risking their own health.

The Scout is operated by a smartphone App and connects wireless using Bluetooth. This personal safety device helps technicians and safety personnel like firefighters and many others to receive information within seconds about the level of CO₂ in a room. If the CO₂ concentration is above the threshold the Scout and it's application warns the user visually, by sound and vibration.

Measuring range: 0–6% volume CO₂



Prenosni detektor plina PROTÉGÉ

Detektor plina Protégé je samostojen detektor za nenehno detekcijo strupenih plinov in kisika.

Detektor ima omejitve delovanja na 24 mesecev od dneva aktivacije.

Zaščitno ohišje varuje detektor pred ekstremno obrabo. Velik LCD zaslon omogoča prikaz tipa plina in vrednosti (CO, H₂S, O₂).

Protieksplzijska zaščita:

II 1G Ex ia IIC T4 Ga, IP 67

Portable single gas monitor PROTÉGÉ

Protégé is single gas monitor ideal for personal protection from unsafe levels toxic gases and level of oxygen.

The detector operated life is limited to 24 months from the date of activation.

A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments.

On the large LCD display we can monitor value and gas type (CO, H₂S, O₂).

Explosion protection:

II 1G Ex ia IIC T4 Ga, IP 67



Osebni merilnik plina GASBADGE PRO

Osebni merilnik plina GasBadge Pro je samostojen detektor za nenehno merjenje strupenih plinov in kisika.

Merilnik GasBadge Pro ima vgrajeno zamenljivo baterijo, ki omogoča delovanje 2600 ur brez vzdrževanja.

Zaščitno ohišje varuje merilnik pred ekstremno obrabo. Velik LCD zaslon omogoča prikaz tipa plina in vrednosti (CO, H₂S, O₂, NO₂, SO₂, NH₃, Cl₂, ClO₂, PH₃, HCN, H₂).

Protieksplzijska zaščita:

II 1G in I M2, Ex ia I/IIC T4 Ga, IP 64

Personal single gas monitor GASBADGE PRO

GasBadge Pro is single gas monitor ideal for personal protection from unsafe levels toxic gases.

A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments.

On the large LCD display we can monitor value and gas type (CO, H₂S, O₂, NO₂, SO₂, NH₃, Cl₂, ClO₂, PH₃, HCN, H₂).

Explosion protection:

II 1G in I M2, Ex ia I/IIC T4 Ga, IP 64



Prenosni detektor plinov VENTIS MX4

VENTIS MX4 - PUMP

Prenosni detektor plina Ventis MX4 je samostojen detektor, izdelan za nenehno merjenje štirih različnih plinov. Zaščitno ohišje varuje detektor pred ekstremno obrabo. Velik LCD zaslon omogoča prikaz vseh štirih vrednosti naenkrat (CO, H₂S, O₂, Eksplo).

Protieksplzijska zaščita:

II 1G / I M2, Ex ia d IIC T4 Ga, IP 64

Portable gas monitor VENTIS MX4

VENTIS MX4 - PUMP

Ventis MX4 is a portable gas monitor capable of continuously and simultaneously monitoring 4 standard gases. A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments. On the large LCD display we can monitor value and gas type (CO, H₂S, O₂, LEL).

Explosion protection:

II 1G / I M2, Ex ia d IIC T4 Ga, IP 64



Prenosni detektor plinov PS200

PS200 - PUMP

Prenosni detektor plina PS200 je samostojen detektor, izdelan za nenehno merjenje štirih različnih plinov. Zaščitno ohišje varuje detektor pred ekstremno obrabo. Velik LCD zaslon omogoča prikaz vseh štirih vrednosti naenkrat (CO, H₂S, O₂, Eksplo).

Protieksplzijska zaščita:

II 2G Ex ia IIC T4 Ga, IP 67



Prenosni detektor plinov PS500

PS500 - PUMP

Prenosni detektor plina PS500 je samostojen detektor, izdelan za nenehno detekcijo do pet različnih plinov. Detektor lahko detektira eksplozivne pline, strupene pline in kisik. Zaščitno ohišje detektorja je robustno in varuje detektor pred ekstremno obrabo. Velik LCD zaslon omogoča prikaz vseh petih vrednosti plinov naenkrat (CO, CO₂, H₂S, SO₂, Cl, NH₂, NO, HCl, O₂, Eksplo, Metan).

Protieksplzijska zaščita:

II 2G Ex ia d IIC T4 Ga, IP65



Prenosni merilnik plinov MX6

Prenosni merilnik plina MX6 je samostojen detektor izdelan za nenehno merjenje do šestih različnih plinov. Detektor lahko meri eksplozivne pline, strupene pline in kisik. Zaščitno ohišje merilnika je robustno in varuje detektor pred ekstremno obrabo. Velik barvni LCD zaslon omogoča prikaz vseh šestih vrednosti plinov naenkrat (CO, CO₂, H₂S, SO₂, Cl, NH₃, NO, HCl, O₂, Eksplo, Metan).

Protieksplzijska zaščita:

II 2G / I M2 Ex ia d IIC T4 Ga, IP 64

Portable gas monitor PS200

PS200 - PUMP

PS200 is a portable gas monitor capable of continuously and simultaneously monitoring 4 standard gases.

A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments. On the large LCD display we can monitor value and gas type (CO, H₂S, O₂, LEL).

Explosion protection:

II 2G Ex ia IIC T4 Ga, IP 67

Portable gas monitor PS500

PS500 - PUMP

PS500 is a portable gas monitor capable of continuously and simultaneously monitoring up to 5 gases. A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments. Each gas reading is displayed on a LCD display (CO, CO₂, H₂S, SO₂, ClO₂, Cl, NH₂, NO, HCl, O₂, LEL, Methane).

Explosion protection:

II 2G Ex ia d IIC T4 Ga, IP65

Portable gas monitor MX6

MX6 is a portable gas monitor capable of continuously and simultaneously monitoring up to 6 gases. A protective concussion-proof overmold protects the unit from extreme abuse in a variety of harsh industrial environments. Each gas reading is displayed on a full-color graphic LCD display (CO, CO₂, H₂S, SO₂, ClO₂, Cl, NH₃, NO, HCl, O₂, Eksplo, Methane).

Explosion protection:

II 2G / I M2 Ex ia d IIC T4 Ga, IP 64

INDUSTRIJA ALARMNE CENTRALE

INDUSTRY ALARM UNITS



Javljalik MDK alarm

Javljalik MDK alarm je namenjen za neprekinjeno kontrolo kvalitete zraka v zakloniščih. Kontrolira vstopni zračni tok s senzorjem ogljikovega monoksida CO in kontrolira koncentracijo kisika O₂ v bivalnem prostoru. Ob prekoračitvi maksimalne dovoljene koncentracije CO, oziroma minimalne potrebne koncentracije O₂ v zraku, naprava posreduje opozorilni signal.

Alarm unit MDK alarm

Alarm unit MDK alarm is device for measurement of air quality in shelters. It continuously checks air with CO and O₂ detectors. Device sends alarm signals to a caretaker when there is something wrong with air (high concentration of CO or low concentration of oxygen).



Kontrolnik nivojske sonde KNS

Kontrolnik minimalnega nivoja tekočine je namenjen za neprekinjeno kontrolo nivoja goriva v podzemnih ali nadzemnih rezervoarjih. Krmilna omarica KNS je sestavljena iz krmilnega modula, programabilnega logičnega krmilnika, stikala za vklop, alarmne hupe, rdeče opozorilne svetilke in tipke za blokado hupe.

Level probe controller KNS

Level probe controller KNS is designed for continuous control of level in liquid tanks. Level probe controller KNS is built of controller, programmable logical relay, ON switch, alarm horn, red light and key for horn blockade.



Alarmna centrala MX2000

Alarmna centrala MX2000 je namenjena za neprekinjeno kontrolo prisotnosti eksplozivnih plinov. Alarmna centrala se montira izven ogroženega področja v prostor, kjer je stalno zasedeno delovno mesto v višini cca 160 cm, da lahko neovirano odčitavamo stanje. Merilniki se namestijo v prostor, kjer lahko v primeru napake pričakujemo izpust plina.

Število merilnih mest: 2



Alarmna centrala MX5000

Alarmna centrala MX5000 je namenjena za neprekinjeno kontrolo prisotnosti eksplozivnih in strupenih plinov. Alarmna centrala MX5000 se montira izven ogroženega področja v prostor, kjer je stalno zasedeno delovno mesto v višini cca 160 cm, da lahko neovirano odčitavamo stanje.

Število merilnih mest: 4



Alarmna centrala MX6000

Alarmna centrala MX6000 je namenjena za neprekinjeno kontrolo prisotnosti eksplozivnih plinov ali hlapov, strupenih plinov, kisika, temperature in digitalnih signalov. Zaradi možnosti povezave do osem central v sistem, je namenjena za večje aplikacije, kjer so merilna mesta v prostorih, ki so medsebojno oddaljeni.

Število merilnih mest: do 32

Alarm unit MX2000

The alarm unit type MX2000 is designed for continuous control of explosive gases and vapors. The alarm unit should be mounted outside the area endangered by explosion in space where is permanent working place, in height approximately 160 cm to ensure unimpeded reading.

Number of measuring points: 2

Alarm unit MX5000

The alarm unit type MX5000 is designed for continuous control of explosive gases and vapors, toxic gases. The alarm unit should be mounted outside the area endangered by explosion in area where is permanent working place, in height approximately 160 cm above the floor to ensure unimpeded reading.

Number of measuring points: 4

Alarm unit MX6000

The alarm unit type MX6000 is designed for continuous control of explosive gases and vapors, toxic gases, oxygen level, temperature, digital signals, etc. Because of possibility to connect up to 8 alarm units, the alarm unit is suitable for bigger systems. Alarm units are connected with CAN communication system and can be placed in different locations.

Number of measuring points: up to 32



Alarmna centrala GALAXY MX7

Alarmna centrala MX7 je v osnovi namenjena za neprekinjeno kontrolo prisotnosti eksplozivnih in strupenih plinov ter ostalih fizikalnih veličin. V primeru izpusta je treba zagotoviti ustrezno obveščanje in ukrepanje, da preprečimo povečanje koncentracij eksplozivnih in strupenih plinov. Zagotavlja tudi številne možnosti nadzora alarmov in krmiljenje različnih elementov za preprečevanje koncentracij eksplozivnih in strupenih plinov.

Število analognih merilnikov: po izbiri

Control and alarm unit GALAXY MX7

GALAXY MX7 is integrated Control and Alarm System, microprocessor controlled, mainly used for explosive and toxic gas detection.

Also it can be used for controlling other physical values.

Redundant processor offers high system reliability and stable communication with existing supervisory and control systems.

Number of I/O modules is high and fully programmable.



Detektor plina v kompletu O₂ MK9

Senzor plina O₂ MK9 odlikuje velik, pregleden zaslon, kjer je mogoče odčitati dejansko vrednost O₂, koncentracijo plina (0–25 %), TWA (ppm) in temperaturo (°C ali F), (le v primeru, da je aktiviran temp. alarm). Komplet vsebuje Mk9 senzor, centralno enoto Mk9 za prikaz izmerjenih vrednosti, hupo z vidnim signalom, kabli in priklopi.

Na centralo je mogoče priklopiti do osem senzorjev.

Mk9 je zelo občutljiv in zmogljiv merilnik plina O₂, hkrati pa preprost za montažo in ekonomičen. Vsi senzorji se avtomatično kalibrirajo. Vrednosti, kjer se vklopi alarm, je mogoče nastaviti glede na potrebe ali zakonodajo.

Detector set O₂ MK9

A large display alternates between actual O₂ concentration (0%–25%), TWA (ppm) and temperature (°C or °F), (if temperature alarm is activated for cold room applications).

This complete plug and play SET contains a Mk9 O₂ Sensor with display, a Mk9 Central Unit to display the measured values, a Horn/strobe, cabling and signage. Up to eight sensors can be connected to the Mk9 O₂ Safety Detector SET, providing a sophisticated and powerful O₂ Safety System while still being the most economical and easiest system on the market. All LogiO₂ sensors have automatic calibration as standard. The alarm levels can be changed to any level to comply with all local Safety Codes and legislation.



Detektor plina v kompletu CO₂ MK9

Senzor plina CO₂ MK9 odlikuje velik, pregleden zaslon, kjer je mogoče odčitati dejansko vrednost CO₂, koncentracijo plina (0,0–6,7 %), TWA (ppm) in temperaturo (°C ali F), (le v primeru, da je aktiviran temp. alarm). Komplet vsebuje Mk9 senzor, centralno enoto Mk9 za prikaz izmerjenih vrednosti, hupo z vidnim signalom, kabli in priklopi.

Na centralo je mogoče priklopiti do osem senzorjev.

Mk9 je zelo občutljiv in zmogljiv merilnik plina CO₂, hkrati pa preprost za montažo in ekonomičen. Vsi senzorji se avtomatično kalibrirajo. Vrednosti, kjer se vklopi alarm, je mogoče nastaviti glede na potrebe ali zakonodajo.

Detector set CO₂ MK9

A large display alternates between actual CO₂ concentration (0.0%–6.7%), TWA (ppm) and temperature (°C or °F), (if temperature alarm is activated for cold room applications).

This complete plug and play SET contains a Mk9 CO₂ Sensor with display, a Mk9 Central Unit to display the measured values, a Horn/strobe, cabling and signage. Up to eight sensors can be connected to the Mk9 CO₂ Safety Detector SET, providing a sophisticated and powerful CO₂ Safety System while still being the most economical and easiest system on the market. All LogiCO₂ sensors have automatic calibration as standard. The alarm levels can be changed to any level to comply with all local Safety Codes and legislation.

INDUSTRIJA
**SENZORJI IN
DETEKTORJI**

INDUSTRY
**SENSORS AND
DETECTORS**



**Nivojska sonda
NS-1, NS-2**

Nivojske sonde NS uporabljamo na mestu, kjer merimo nivoje, preprečimo izlitje ali minimalni nivo tekočine. Zaradi zanesljive konstrukcije posebno vzdrževanje ni potrebno. Število in položaj kontaktov oz. relejev v sondi se določi v dogovoru z naročnikom. Nivojsko stikalo je pasivno, saj je notranja induktivnost in kapacitivnost zanemarljiva. Obstajata dva tipa nivojskih sond (NS-1 in NS-2), ki se razlikujeta glede na število vgrajenih reed kontaktikov.

**Level probe
NS-1, NS-2**

Level probe NS can be used for signalling minimal or maximal levels of liquids in different tanks, containers, etc. Level probe NS is built of stainless steel with contact relays in pipe and bouy with magnet. Because of its reliable construction, it is not necessary to perform any special maintenance. Position and number of relay contacts are specified with purchase. There are two types of level probes, which differ according to number of relay contacts (NS-1 and NS-2).



**Senzorska merilna glava
S-JP/K**

Senzorska merilna glava SJP/K je sestavljena iz ohišja s senzorjem in razvodne omarice s priključnimi sponkami. Uporablja se za merjenje eksplozivnih plinov. Senzorska merilna glava SJP/K ima vgrajen polprevodniški senzor in je namenjena za uporabo v kotlovnica in kuhinjah. Povezava z MX6000, MX5000, MX2000 alarmnimi centralami.

Merilno območje: 0–60 % SME

**Sensor measuring head
S-JP/K**

Sensor measuring head SJP/K is made up of aluminous housing, which is mounted on plastic housing with three connection terminals. For detection is used semiconductor sensor which changes the electrical resistance depending on gas concentration. It is suitable for kitchens and boiling rooms. Connection with MX6000, MX5000, MX2000 alarm units.

Measuring range: 0–60% LEL



Senzorska merilna glava CO-CAN, CH4-CAN, CO-I in CH4-I

Senzorja CO-CAN in CO-I sta namenjena za garažne hiše in vse ostale prostore, kjer se lahko pojavi strupen plin ogljikov monoksid (CO). Senzorja CH4-CAN in CH4-I sta namenjena za vse prostore, kjer običajno ni prisoten, a se lahko pojavi eksplozivni plin, kot sta tekoči naftni plin in zemeljski plin. Povezava z MX6000, MX5000 alarmnimi centralami.

Merilno območje: 0–250 ppm, 0–50 % SME

Sensor measuring head CO-CAN, CH4-CAN, CO-I and CH4-I

Sensors CO-CAN and CO-I are designed for use in parkhouses and all other placed where we can expect carbon monoxide. Sensors CH4-CAN and CH4-I are designed for measuring the concentration of explosive gases. Connection with MX6000, MX5000 alarm units.

Measuring range: 0–250 ppm, 0–50% LEL



Detektor plina CTX300 / CTX300 IR

Merilna glava CTX300/CTX300 IR je naprava primerna za merjenje strupenih plinov in kisika v situacijah in okoliščinah, kjer ni nevarnosti prisotnosti eksplozivnih plinov. Naprava meri različne strupene pline: CO, H₂S, NH₃, NO, COCl₂, ClO₂, O₂, O₃, PH₃, NO₂, HCN, SO₂, HCl, Cl₂, HF, H₂, CO₂. Povezava z MX7, MX6000, MX5000 alarmnimi centralami.

Gas detector CTX300 / CTX300 IR

The detection of toxic gases or lack of oxygen requires the installation of detectors satisfying increasingly demanding requirements. The CTX300 transmits the relevant data in record time, covering all hazard situations and providing extremely flexible utilization by way of its very range of sensor. It measures different type of gases: CO, H₂S, NH₃, NO, COCl₂, ClO₂, O₂, O₃, PH₃, NO₂, HCN, SO₂, HCl, Cl₂, HF, H₂, CO₂. Connection with MX7, MX6000, MX5000 alarm units.



Detektor eksplozivnih plinov DEG-2(R), detektor strupenih plinov DTG-2(R)

Detektorja plinov tip DEG-2(R) in tip DTG-2(R) sta namenjena detekciji eksplozivnih in zdravju škodljivih plinov v zraku. Okoliški zrak se difuzno širi skozi sinterno zaščito do merilnega senzorja, ki glede na princip delovanja zazna koncentracijo določenega plina. Izmerjena vrednost se prek elektronsko procesorskega vezja pretvori v linearen standardni tokovni izhod 4–20 mA. Naprava, ki ni montirana v eksplozijsko nevarno okolje, ima lahko še dodatne tri relejske izhode (npr. napaka, alarm1, alarm2). Wi-fi dostop do nadzora in kalibracije detektorja. Povezava z MX7, MX6000, MX5000 alarmnimi centralami.

Protiekspluzijska zaščita: II 3G Ex ec IIC T5 Gc

Detector of explosive gases type DEG-2(R), detector of toxic gases type DTG-2(R)

Gas detectors type of DEG-2(R) and type of DTG-2(R) are intended for detection of explosive and toxic gases in the air. Ambient air is diffusely spread through sinter's protection to the measurement sensor. Depending to the operation principle, sensor detects concentration of target gas. Measurement value is converted with electronic circuit to the standard linear current output 4–20 mA. The device which isn't mounting in explosive atmosphere may have three additional relay outputs (for example: error, alarm1, alarm2). Wi-fi access to monitoring and calibration of the detector. Connection with MX7, MX6000, MX5000 alarm units.

Explosion protection: II 3G Ex ec IIC T5 Gc



Detektor plina OLCT 100

Detektor plina OLCT 100 je namenjen za uporabo v eksplozivni atmosferi industrije v coni 1/21. Meri strupene in eksplozivne pline. Sestavljen je iz Ex d ohišja, kjer so priključne sponke in elektronsko vezje ter priključena merilna glava s senzorjem.

Detektor je izdelan za detekcijo določenega plina, odvisno od vrste uporabljenega senzorja. Merjeni plin pretvarja v električni signal. Ta se ojača, linearizira in pretvori v standardni tokovni signal 4–20 mA, ki se lahko priključi na alarmno centralo (MX7, MX5000, MX6000).

Protieksplzijska zaščita:

II 2GD Ex db IIC T6 Gb
II 2D Ex tb IIIC T100°C

Gas detector OLCT 100

The OLCT 100 gas detector is allowed for use in explosive industrial atmospheres in zone 1/21. It measures toxic and explosive gases. It consists of an Ex d housing with connection terminals and an electronic circuit, as well as a connected detector head with a sensor.

The detector is designed to detect a particular gas depending on the type of sensor used. The measurement sensor converts the target gas into voltage or current. This is amplified, linearised and converted to a standard current signal of 4–20 mA, which can be connected to the alarm control panel (MX7, MX5000, MX6000).

Explosion protection:

II 2GD Ex db IIC T6 Gb
II 2D Ex tb IIIC T100°C



Merilna glava tip MG-de

Merilna glava MG-de je namenjena za uporabo v eksplozivni atmosferi industrije v coni 1/21. Meri strupene in eksplozivne pline. Sestavljena je iz Ex e razvodne omarice in Ex d ohišja, kjer je elektronsko vezje.

Merilna glava MG-de je izdelana za detekcijo določenega plina, odvisno od vrste uporabljenega senzorja. Merjeni plin pretvarja v električni signal. Ta se ojača, linearizira in pretvori v standardni tokovni signal 4–20 mA, ki se lahko priključi na alarmno centralo (MX7, MX5000, MX6000).

Protieksplzijska zaščita:

II 2G Ex db eb IIC T5 Gb
II 2D Ex tb IIIC T100°C Db

Measuring head type MG-de

Measuring head MG-de is intended for use in explosive atmosphere in industry in Zone 1/21. It measures toxic and explosive gases. Measuring head MG-de consist of Ex e enclosure box with terminals and Ex d enclosure where all the electronics and sensors are.

Measuring head MG-de is designed to detect a particular gas depending on the type of sensor used.

The device converts the target gas into current. This electrical parameter is amplified, linearised and converted to 4–20 mA signal and conducted via a connecting cable to an alarm unit (MX7, MX5000, MX6000).

Explosion protection:

II 2G Ex db eb IIC T5 Gb
II 2D Ex tb IIIC T100°C Db



Detektor plina OLCT 700/710

Detektor plina OLCT700/710 je namenjen za uporabo v eksplozivni atmosferi industrije v coni 1/21.

Meri strupene in eksplozivne pline. Sestavljen je iz Ex d ohišja, kjer so priključne sponke in elektronsko vezje ter priključena merilna glava s senzorjem. Detektor je izdelan za detekcijo določenega plina, odvisno od vrste uporabljenega senzorja. Merjeni plin pretvarja v električni signal. Ta se ojača, linearizira in pretvori v standardni tokovni signal 4–20 mA, ki se lahko priključi na alarmno centralo (MX7, MX5000, MX6000).

Protieksplzijska zaščita:

II 2GD Ex db IIC T6 Gb
II 2D Ex tb IIIC T100°C

Gas detector OLCT 700/710

The OLCT 700/710 gas detector is allowed for use in explosive industrial atmospheres in zone 1/21. It measures toxic and explosive gases. It consists of an Ex d housing with connection terminals and an electronic circuit, as well as a connected detector head with a sensor.

The detector is designed to detect a particular gas depending on the type of sensor used. The measurement sensor converts the target gas into voltage or current. This is amplified, linearised and converted to a standard current signal of 4–20 mA, which can be connected to the alarm control panel (MX7, MX5000, MX6000).

Explosion protection:

II 2GD Ex db IIC T6 Gb
II 2D Ex tb IIIC T100°C



Detektor plina GD10 P

Detektor plina GD10 P je namenjen za uporabo v eksplozivni atmosferi in zahtevnih pogojih industrije v coni 1/21. Meri strupene in eksplozivne pline. Sestavljen je iz Ex e ohišja, kjer so priključne sponke, in Ex d ohišja, kjer je elektronsko vezje ter IR izvor. Detektor je izdelan za detekcijo določenega plina. Merjeni plin pretvarja v električni signal. Ta se ojača, linearizira in pretvori v standardni tokovni signal 4–20 mA, ki se lahko priključi na alarmno centralo (MX7, MX5000, MX6000).

Nivo zanesljivosti: SIL2

Protieksplzijska zaščita:

II 2G Ex db eb IIC T6 Gb

Infrared gas detector GD10 P

The GD10P infrared gas detector is allowed for use in explosive industrial atmospheres in zone 1/21. It measures toxic and explosive gases. It consists of an Ex e housing with connection terminals and an Ex d housing with electronic circuit and IR source. The detector is designed to detect a particular gas depending on the type of sensor used. The measurement sensor converts the target gas into voltage or current. This is amplified, linearised and converted to a standard current signal of 4–20 mA, which can be connected to the alarm control panel (MX7, MX5000, MX6000).

Suitable for: SIL2

Explosion protection:

II 2G Ex db eb IIC T6 Gb



Tlačno stikalo 01-APS

Tlačno stikalo 01-APS je namenjeno v povezavi izhoda alarmnega sistema za izvedbo kontrole delovanja prezračevalnega sistema in s tem odpiranjem plinskega ventila. Tlačno stikalo sestavlja ohišje z pokrovom, nastavljivim senzorjem tlaka in 2 kontakti za fazno krmiljenje. Na voljo različni modeli od 20 do 5000 Pa.

Glavne lastnosti

- IP 54

Differential pressure Switch 01-APS

Pressure switch type 01-APS is designed to be used in control line of ventilation system and driving of electro-magnetic valve on gas pipeline. It is graded from housing, pressure sensor with potentiometer for sensitivity adjustment, 2 electric contacts for phase control connection. Different models in range from 20 to 5000 Pa

Features

- IP 54



Tipka za izklop v sili 42201

Tipka za izklop v sili 42201 je namenjena v povezavi izhoda alarmnega sistema za izvedbo prisilnega ročnega izklopa objekta ali postrojenja.

Tipko sestavlja ohišje z steklenim delom pokrova, tipkalom in 2 kontakti za fazno krmiljenje

Glavne lastnosti

- IP 55

Emergency stop push button 42201

Emergency stop push button is designed to be used in control line of manual or automatic switch off power for object or machine.

It is graded from housing, with glass part on front side, push button, 2 electric contacts for phase control connection.

Features

- IP 55

INDUSTRIJA SIGNALIZACIJA

INDUSTRY SIGNALIZATION



Alarmna sirena AS 230/2

Alarmna sirena AS-230/2 se uporablja za zvočno signaliziranje alarmnih stanj oziroma dogodkov. Grajena je v robustni izvedbi in je primerna za delovanje v srednje težkih industrijskih pogojih dela.

Napajanje: 230 VAC

Alarm hooter AS 230/2

Alarm hooter AA-230/2 is device for audible warning in case of alarm events. Its robust build makes it possible for use in heavy industrial environments.

Supply: 230 VAC



Alarmna sirena z bliskavico ASB12-24

Alarmna sirena z bliskavico ASB12-24 služi za zvočno in svetlobno signalizacijo alarmnih oziroma signalnih stanj. Namenjena je za uporabo v eksplozijsko neogroženem prostoru, njeno ohišje pa omogoča uporabo tako v notranjih prostorih zgradb, kot tudi montažo na prostem.

Alarmna sirena je zgrajena iz ohišja iz poliestra, piskača in bliskavice. Alarmna sirena je namenjena uporabi v sklopu alarmne centrale ali katere druge podobne naprave, ki ji zagotavlja enosmerno napajanje od 12 do 24 V. Mogoča je izbira ločenega in skupnega krmiljenja sirene in signalne luči.

Napajanje: 12–24 VDC

Alarm hooter with strobe ASB12-24

Alarm hooter with strobe ASB12-24 is device for audible and visual warning. The device is suitable for use in safe area. It can be used inside or outside of building.

Alarm hooter with strobe works in combination with alarm unit or any other similar device, which has a supply 12 to 24 VDC. It is possible to select only audio or only visual signal.

Power supply: 12–24 VDC



Opozorilni tablo 12/24 VDC

Enostranski ali dvostranski zvočno svetlobni opozorilni tablo služi za zvočno in svetlobno signalizacijo alarmnih oziroma signalnih stanj. Namenjen je za uporabo v raznih aplikacijah z možnostjo vstavitve poljubnega napisa, ki je viden v primeru alarma.

Opcijsko se lahko vgradi kvitirni modul, ki v povezavi z zunanjo tipko služi izklopu zvočnega signala.

Napajanje: 12–24 VDC

Zvočni signal: 92–100 dB / 1 m

Warning board 12/24 VDC

One sided or double sided audible/visual warning board is designed for audible and visual warning. The device is suitable for use in different applications. Warning board has a custom write sign which appears in the case of alarm.

Optional could be upgraded with relay module and remote push button with function to mute internal buzzer.

Power supply: 12–24 VDC

Audible signal power: 92–100 dB / 1 m



Svetlobni stolpič tip TWS HS/01

Svetlobni stolpič TWS HS/01 služi za svetlobno alarmiranje v prostorih, kjer se lahko pojavi potencialno eksplozivna oz. strupena atmosfera (povečana koncentracija eksplozivnih oz. strupenih in zadušljivih plinov, npr. LEL, CO, CO₂, O₂, ipd).

Z njim lahko zagotavljamo 3 različna stanja alarmiranja.

Glavne lastnosti

- IP54
- U = 20–30 VDC
- I = 200 mADC
- Vir svetlobnega alarma: LED

Visual signal tower type TWS-HS/01

Visual signal tower type TWS-HS/01 provides an important visual signal of, for example, status change on a machine, equipment or in a process. In emergency situations it then provides a clear optical warning of danger or poisoning to explosive or toxic gases (LEL, CO, CO₂, O₂, etc). It could define 3 different stages of alarming.

Features

- IP54
- U = 20–30 VDC
- I = 200 mADC
- Signal effect: LED



Svetlobno zvočni stolpič tip TWS HS/02

Svetlobno zvočni stolpič TWS HS/02 služi za svetlobno in zvočno alarmiranje v prostorih, kjer se lahko pojavi potencialno eksplozivna oz. strupena atmosfera (povečana koncentracija eksplozivnih oz. strupenih in zadušljivih plinov, npr. LEL, CO, CO₂, O₂, ipd). Z njim lahko zagotavljamo 3 različna stanja alarmiranja.

Glavne lastnosti

- IP54
- U = 20–30 VDC
- I = 500 mADC
- Vir svetlobnega alarma: LED
- Moč zvočnega alarma: 100 dB

Visual/audible signal tower type TWS-HS/02

Visual/audible signal tower type TWSHS/02 provides an important visual signal of, for example, status change on a machine, equipment or in a process.

In emergency situations it then provides a clear optical and acoustic warning of danger or poisoning to explosive or toxic gases (LEL, CO, CO₂, O₂, etc). It could define 3 different stages of alarming.

Features

- IP54
- U = 20–30 VDC
- I = 500 mADC
- Signal effect: LED



Semafor TE-xx

Semafor TE-xx je namenjen svetlobni LED signalizaciji različnih tehnoloških stanj v industrijskem okolju.

Naprava je konstruirana za vgradnjo v votle stene. Po montaži naprave se ta prekrije (prelepi) s samolepilno zaščitno poliestersko nalepko, ki služi kot zaščita proti vdoru prahu in vode v napravo.

Glavne lastnosti

- IP65 (po montaži zaščitne folijske nalepke)
- 3 tipi semaforjev
- Napajanje: 20–28 VDC
- Poraba toka: 65 mA, 45 mA, 65 mA

Signal light TE-xx

Signal light TE-xx/Ex is intended for LED optical signalization of different alarm or technological stages in industrial environment.

Signalization device is designed for montage in panel walls (hollow walls). After montage device should be covered with label which is also designed as IP protection for the device.

Features

- IP65 (with installed label)
- 3 types of signal lights
- Power supply: 20–28 VDC
- Consumption: 65 mA, 45 mA, 65 mA



Semafor TE-xx/Ex

Semafor TE-xx/Ex je namenjen svetlobni LED signalizaciji različnih tehnoloških stanj v industrijskem okolju, kot tudi eksplozijsko ogroženem območju z Ex cono 2.

Naprava je konstruirana za vgradnjo v votle stene. Po montaži naprave se ta prekrije (prelepi) s samolepilno zaščitno poliestersko nalepko, ki služi kot zaščita proti vdoru prahu in vode v napravo.

Glavne lastnosti

- IP65 (po montaži zaščitne folijske nalepke)
- 3 tipi semaforjev
- Napajanje: 20–28 VDC
- Poraba toka: 65 mA, 45 mA, 65 mA

Protieksplzijska zaščita:

II 3G Ex mc op is II C T4 Gc

Signal light TE-xx/Ex

Signal light TE-xx/Ex is intended for LED optical signalization of different alarm or technological stages in industrial environment as well in an Ex zone 2 explosive area.

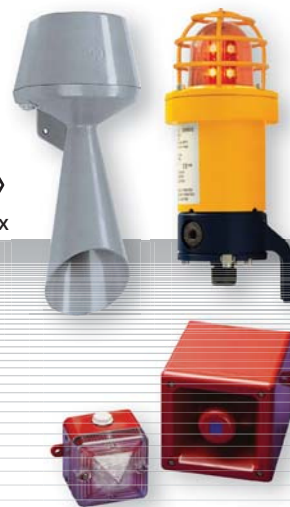
Signalization device is designed for montage in panel walls (hollow walls). After montage device should be covered with label which is also designed as IP protection for the device.

Features

- IP65 (with installed label)
- 3 types of signal lights
- Power supply: 20–28 VDC
- Consumption: 65 mA, 45 mA, 65 mA

Explosion protection:

II 3G Ex mc op is II C T4 Gc



Svetlobna in zvočna signalizacija v Ex izvedbi po zahtevah naročnika

Ex-proof Visual and acoustic signal devices according to customer requirements

O PODJETJU

ABOUT TEVEL

Smo podjetje z dolgoletnimi izkušnjami in znanjem pri načrtovanju in izvajanju tehnične varnosti v rudarstvu in industriji.

Bogate izkušnje s področja načrtovanja in izvajanja protieksplzijske zaščite kot podjetje za inženiring, konstruiranje, proizvodnjo, preizkušanje in servisiranje so nas vodile k skupnim ciljem NAŠA KVALITETA – VAŠA VARNOST.

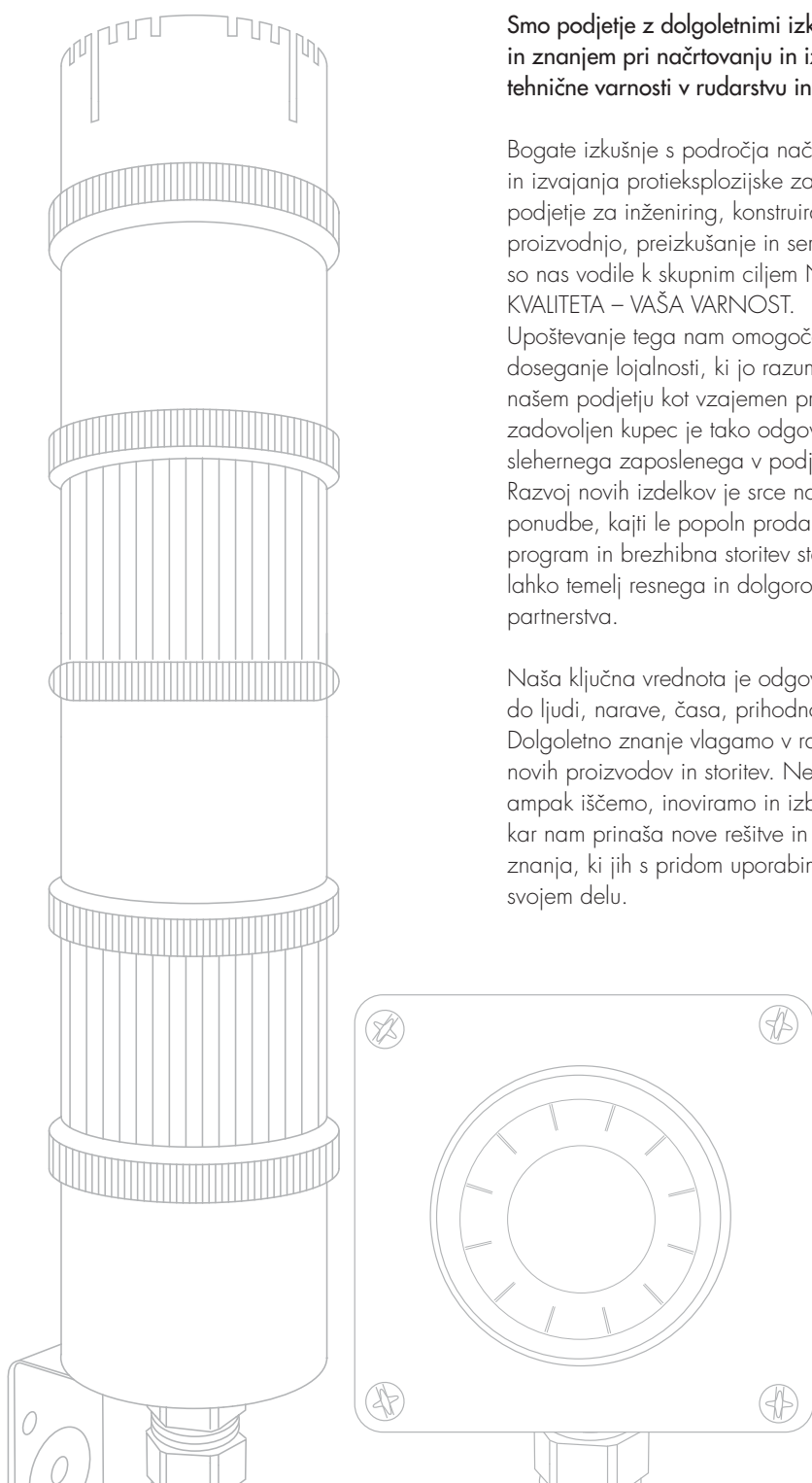
Upoštevanje tega nam omogoča doseganje lojalnosti, ki jo razumemo v našem podjetju kot vzajemen proces – zadovoljen kupec je tako odgovornost slehernega zaposlenega v podjetju. Razvoj novih izdelkov je srce naše ponudbe, kajti le popoln prodajni program in brezhibna storitev sta lahko temelj resnega in dolgoročnega partnerstva.

Naša ključna vrednota je odgovornost do ljudi, narave, časa, prihodnosti ... Dolgoletno znanje vlagamo v razvoj novih proizvodov in storitev. Ne čakamo, ampak iščemo, inoviramo in izboljšujemo, kar nam prinaša nove rešitve in nova znanja, ki jih s pridom uporabimo pri svojem delu.

Tevel has specialised in finding innovative solutions for gas and leak detection problems in mining and other industries for more than 30 years. No application is too large or small for us.

Based in Slovenia, central Europe, we conceive, design and manufacture instrumentation and solutions using technology that has been comprehensively researched, is innovative, easy to use, reliable and cost effective.

We aim to be a pleasure to deal with, to do what we say, to listen carefully to our customers, to understand their requirements and markets – and then give best advice. We also aim to under-commit and over-deliver and always to add significant value to our customers or partners.



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NAŠA KVALITETA – VAŠA VARNOST
OUR QUALITY – YOUR SAFETY

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