

# BX616 Portable Multi-gas Detector



## Specifications

Gas sampling method: Natural diffusion  
 Gas sensor type: Catalytic or electrochemical  
 Detecting gas: Combustible gas, H<sub>2</sub>S, CO, O<sub>2</sub>  
 Accuracy:  $\pm 5\%$  F.S.  
 Response Time:  $\leq 30$ s  
 Indication: LCD displays real-time and system status;  
 Working environment:  $-20\text{ }^{\circ}\text{C} \sim 50\text{ }^{\circ}\text{C}$ ,  $< 95\%$ RH (no dew)  
 Power Source: DC3.6V Lithium battery, 1800mAh  
 Charging time:  $\leq 6$ h  
 Working time:  $\geq 8$ h continuously (without alarming)  
 Gas Sensor Life: 2 years  
 Explosion-proof grade: Ex ia IIC T4  
 Protection Grade: IP65  
 Weight: App. 200g (with battery)  
 Dimensions: 116mm $\times$ 66mm $\times$ 30mm (L  $\times$  W  $\times$  H)

## Brief Introduction

BX616 portable multi-gas detector could detect combustible gas, O<sub>2</sub> and other 2 kinds of toxic gases simultaneously. It is widely used in the area where explosion-proof is required or toxic gas leaks, like underground channels or mining industry, so as to protect the workers' life and avoid damage on the relevant equipments.

## Feature

- Natural diffusion sampling method and high-sensitivity sensor, with high sensitivity and repeatability.
- 32-bit built-in MCU, high reliability and self-adaptation ability.
- Full functions, easy operation.
- CSTN colorful LCD, more abundant and clear.
- Compact design, easy carrying.
- High strength engineering plastics and compound anti-slippery rubber; high strength, water-proof, dust-proof and explosion-proof.



| Gas              | Range     | Low alarm | High alarm | TWA   | STEL   |
|------------------|-----------|-----------|------------|-------|--------|
| LEL              | 0-100%LEL | 20%LEL    | 50%LEL     |       |        |
| H <sub>2</sub> S | 0-100ppm  | 10ppm     | 15ppm      | 10ppm | 15ppm  |
| CO               | 0-1000ppm | 35ppm     | 200ppm     | 35ppm | 200ppm |
| O <sub>2</sub>   | 0-30%vol  | 19.5%vol  | 23.5%vol   |       |        |

## Contact :

**EASTERN ENERGY CO.,LTD. (HEAD OFFICE)**  
 40/4 Vitoondumri Rd., Banbueng, Banbueng, Chonburi 20170  
 Tel: 0-3844-6117, Fax: 0-3844-6200  
 Email: info@ete.co.th / sale@ete.co.th  
 Web: www.eastern-energy.com



**EASTERN  
 ENERGY**

**EASTERN ENERGY CO.,LTD. (RANGSIT BRANCH)**  
 801/192 Moo.8 Kukot, Lamlukka, Pathumthani 12130  
 Tel: 0-2531-3833, Fax: 0-2531-3833  
 Email: info@ete.co.th / sale@ete.co.th  
 Web: www.eastern-energy.com