



Device Description:

Methane sensing solution for roadheaders contains of methane main sensor unit, ZIM-BX power supply, sensor unit built-in enforced enclosure to ensure its resistance towards mechanical impact.

Methane main sensor is equipped with LCD display for local read out of sensed values. It can be equipped with battery to back-up the energy when power is down. Wifi data transmission available. As standard 4.20 mA data transmission output available to be connected to main roadheader PLC driver.

Methane sensor is connected by a wire with Methane main unit. It is built-in enforced enclosure to keep it safe from mechanical impact.

ZIM-BX power supply provides intrinsically safe power to the main unit. It has to be fed with 220V. If 220V is not available to feed ZIM-BX system can be delivered with 1100V/220V transformer.

 **Technical details:**

Supply voltage:	12 - 15 V for main power unit 80 - 230V for ZIM-BX
Battery back-up:	4 - 12 h depending on battery block
Data transmission:	4..20 mA (standard analog interface) WiFi (option) Ethernet (option) RS 485
Temperature range:	0°C - 40°C
Internal protection level	IP 54 or IP 65

For the rest of technical details please refer to separate device datasheets.