

INFRARED HEAD HIE-04

USB communication interface

- Infrared communication interface for Gas volume correctors
- USB 2.0 connection
- IEC 1107 standard
- Communication speed up to 38400Bd
- Usable in hazardous area
ZONE 1, ZONE 2



Description

Infrared head HIE-04 (further only head) is determined for data transmission between personal computer and electronic volume conversion device (EVC), dataloggers and AMR devices made by Elgas s.r.o.

It is designed in comply with the standard IEC-1107. The head is connected to the USB 2.0 port from where it is also power supplied. It is designed for communication speed up to 38400 Bd.

The head is designed for usage in explosive area in comply with the standards EN 60079-0, EN 60079-18. This type of protection is marked "Ex mb". Electronic parts are placed in an aluminium case and filled with insulating mass SYLGARD (type of protection Ex-mb). HIE-04 is equipped with a permanent magnet. This magnet keeps the head on the front panel of EVC and at the same time switches the reed contact inside EVC which switches communication between IR and other communication ports. Warning ! It is not possible to communicate with EVC via other communication ports when the head is placed on the front panel of EVC. The head has a cable of the length either 2,25 m or 4,5 m. The cable is ended-up by a connector of the USB 2.0 standard.

Software driver needs to be installed on the connected personal computer before use. Driver can be downloaded from www.elgas.cz (Products\Accesories\Infrared communication head HIE-04).

Technical details

Category of non-explosivity	II 2G Ex mb IIC T4
EC-TypeCategory certificate	FTZÚ 08 ATEX 0267X
Hazardous area	ZONE1, ZONE2
Communication interface	USB 2.0
Max. transmission speed	38400 Bd
Protection class	IP30
Operating temperature range	-25°C to +60°C
Ambiente temperature	-40°C to +80°C
Cable lenght	2,25m or 4,5m

The manufacturer reserves the right to possible changes

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The company is a holder of certified quality system ISO 9001 with international validity and it is authorised to manufacture equipment for hazardous areas.