

# GAS LEVEL INDICATOR

GLI/LCD rev.A 05.11.08



GLI/LCD connected to a pressure or density switch allow to have local indication like a manometer but at request. Only when the indication is required by pressing density check push button you get proper info on LCD display. This indication is generated by internal electronic circuitry and disappear 3s after pressing. It has typically 2 level indications for low and alarm gas level situation, see attached dwg for exact indication. Easy to mount on a metal panel is insensitive to dust, temperature variations, shock and vibrations. This heavy duty features allow to be used in industrial polluted environments without suffering typical problem of traditional manometer. The indication is clear because you don't have to read an analogical indication but you get at once the gas threshold level. It can be easily connected to any pressure or density switch because it requires only a dry NO contact to work and the accuracy is the same of linked switch.

**GLI/LCD/D**  
**Disc bender version**

**GLI/LCD/B**  
**Battery version**

## Highlights:

- very low cost gas level indicator
- easy panel mounting
- no external or auxiliary power
- no battery required (disc bender version)
- gas pressure/density check
- 2 gas level indication
- test button for diagnostic
- working with wide temperature range
- graphic LCD display

## Technical features

Power source GLI/LCD/D:.....none, finger stimulation  
GLI/LCD/B:.....internal li-ion battery  
Temperature working range :..... -30°C ÷ 70°C  
Temperature stock range :..... -40°C ÷ 80°C  
Dielectric strength :.....2KV  
Surge strength :.....3KV  
IP degree protection :.....IP54  
IP mechanical resistance :.....IK07  
Climatic resistance :.....salt test proof  
Display: .....graphic LCD  
Mechanical life: .....500.000 cycles  
Battery estimated lifetime: .....10 years  
Input:.....2X dry NO contact  
Electrical connection: .....AMP 4X2 poles connector

## Indication

Level "ok":.....OK  
Level "low": .....LOW, OK  
Level "alarm": .....! DO NOT OPERATE,  
.....VERY LOW, NOT OK  
Test: .....all three indications together

## Material & dimensions

Box: .....chromed steel  
Panel hole: .....55mm diameter  
Fitting holes: .....3X holes diam. 3,5mm  
Weight: .....100g



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TABLE 1

## INDICATIONS

NO CABLE CONNECTED      DENSITY OK      DENSITY LOW      DENSITY VERY LOW  
 TEST &  
 DO NOT OPERATE



Rev./Mod A    Data 18.05.2007 Descrizione: MODIFICHE GENERALI	Rev./Mod B    Data 18.07.2006 Descrizione: MODIFICHE GENERALI	Rev./Mod C    Data 23.10.2006 Descrizione: MODIFICHE GENERALI	Rev./Mod D    Data 12.01.2007 Descrizione: CAMBIATO CONTENITORE	Rev./Mod E    Data 13.03.2007 Descrizione: CORRETTO NUMERAZIONE	Rev./Mod F    Data 24.04.2007 Descrizione: CORRETTO INDICAZIONI
Rev./Mod G    Data 20.06.2007 Descrizione: MODIFICHE GENERALI	Rev./Mod H    Data 05.02.2008 Descrizione: MODIFICATO USCITA CONNL	Rev./Mod I    Data 22.07.2008 Descrizione: MODIFICATE NOTE	Rev./Mod L    Data 28.08.2008 Descrizione: AGGIUNTO CHECK CABLE	Rev./Mod M    Data 07.10.2008 Descrizione: SALI TEST PROOF	

Piano di Completamento (UNI 4842-73)	
LIVELLO	LOA
L2	1

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Fig. _____		Materiali/Materiale		N° Series / Serie		Finiture / Finitura	
Filing Room		Thread quality, tolerance		General tolerance for machining / Tolleranze generali per lavorazioni meccaniche:			
Archivio		Tolleranza filetti qualità 5g-6S UNI 5541-6S		Coord. punching N.C. mach. Coord. punzon. a C.N. JS11		Quality for linear dimension Qualità per quote lineari	
Prep. G. FORLANI		Resp. Dep. Uff. Tecnico		Title Titolo		GLI/LCD	
App. P. GUZZETTI		Uff. Resp.		Apparatus Apparato		43911886	
Rev./Mod 0108.06.2006 : Emissione nuovo disegno				Doc. No. N° Doc.		2/2	
<b>ELECTRONSYSTEM MD S.r.l.</b>							