

- **Customizable BCD inputs**
 - 1 to 3 digits 1/2 unsigned
 - 1 to 3 digits signed
- **Configurable input type**
 - Active, voltage level, passive, dry contact
- **95000LBCD/S**
 - with analog output



95000L BCD is a numeric indicator allowing to display a BCD value composed of 1 to 3 digits 1/2 unsigned or 1 to 3 digits signed. The personalization of the indicator, number of digits, sign, and input process configuration, active (voltage level) or passive (dry contact), allow to meet appliance majority. More, a configurable analogical output adds to indicator an analogical/numerical converter function.

DESCRIPTION:

Input:

- Personalized input at the order:
 - 1 to 3 digits 1/2 unsigned,
 - 1 to 3 digits signed.
- configurable input type:
 - active, voltage level, passive, dry contact.
- 4 inputs per digit,
- 1 input for 1/2 digit,
- 1 input for sign,
- 1 common ground

Display:

- 7 segments leds display,
- 3 digits 1/2 high resolution, 2000 pts,
- signalisation of input error value
- most significant digits at zero or non used display zero,
- last significant digits at zero display zero.

Output:

Device can dispose of an insulated analogical output fully configurable:
output type, current or voltage, output range, limitation.

Generator:

In option, on 95000L BCD/S version, device disposes of a generator set-point function reachable with his front face push buttons:

- "Auto / Manu" button allowing to access to generator or indicator mode,
- "Up" and "Down" button allowing to adjust set-point.

Characteristics:

- Standard power supply 230 Vac, other on request,
- standard numerical outputs RS232-C,
- connection with screw terminal,
- unplugged connector on BCD input,
- slot in box: 96 x 48 x 85

Security / Reliability:

The device has been designed in accordance with the problems met in industrial environments:

- galvanic isolation input/ output/ power supply
- saving of configuration parameters in EEPROM, data holding safety > 10 years
- noise immunity, input analysing
- watchdog monitoring the process program
- regeneration of internal parameters at each mesure.

Dialogue / Configuration:

The device can interact via the RS232 link with any system emulating a terminal. Example: HyperTerminal in Windows.
Transmission format, 9600 bauds, 1 start bit, 8 data bits, 1 stop bit, parity none.

Through terminal, user will be able to:

- visualize the measures,
- configurate device:
 - input process, input scale,
 - output parameter.

Warning: RS232 link is not insulated from input measures. Check if there is no dangerous potential on inputs before any configuration.

Version and order code:

[Request a quote](#)

95000LBCD : BCD inputs, up to 3 digits 1/2 , signe, active or passive input

95000LBCD/S : BCD inputs, up to 3 digits 1/2 , signe, active or passive input
1 configurable analog output

INPUT		
Active input	Mini	Maxi
Logic 0	0V	2.5V
Logic 1	4.5V	35V
Input impedance		10Kohms
Passive input	switched voltage	5V
	drived current	0.15mA
ANALOG OUTPUT		
Type	Range	Accuracy
Current Load	0... 4... 20mA 750 Ohms at 20mA 1500 Ohms at 10mA	+/- 10µA
Voltage	0... 5... 10V	+/- 5mV
External shunt	500 Ohms	
Response time	< 80ms	

POWER SUPPLY	
Standard voltage	115 or 230Vac
or on request:	
universal voltage	80Vac / 265Vac 80Vdc / 300Vdc
	or
	20Vac / 60Vac 20Vdc / 80Vdc
Power	2VA
ENVIRONMENT	
Operating temperature	-10....+60 °C
Storage temperature	-20....+85 °C
Humidity	85 % not condensed
Weight	~ 500 g
Protection	IP20, in option IP54, IP65
Dielectric strength	
Supply / input-output	1500Vrms continuously
Input / Output	1500Vrms continuously

Electromagnetic compatibility 2014/30/UE / Low Voltage Directive 2014/35/UE

Immunity standard for industrial environments EN 61000-6-2		Emission standard for industrial environments EN 61000-6-4
EN 61000-4-2 ESD	EN 61000-4-8 AC MF	EN 55011 group 1 class A
EN 61000-4-3 RF	EN 61000-4-9 pulse MF	
EN 61000-4-4 EFT	EN 61000-4-11 AC dips	
EN 61000-4-5 CWG	EN 61000-4-12 ring wave	
EN 61000-4-6 RF	EN 61000-4-29 DC dips	



WIRING AND OUTLINE DIMENSIONS **MOUNTING RECOMMENDATIONS**

Format: l x h x p 96 x 48 x 85
Cut-off: l x h 92 x 42

