



Parto Sahand Ara

LIT-B

LEVEL INDICATOR TRANSMITTER BYPASS





LEVEL INDICATOR MODEL: LIT-B

Applications

- Sensor for the continuous level measurement of liquids in bypass level indicators
- Chemical, petrochemical industry, natural gas, offshore, shipbuilding, machine building, power generating equipment, power plants
- Process water and drinking water treatment, food and beverage industry, pharmaceutical industry



Description

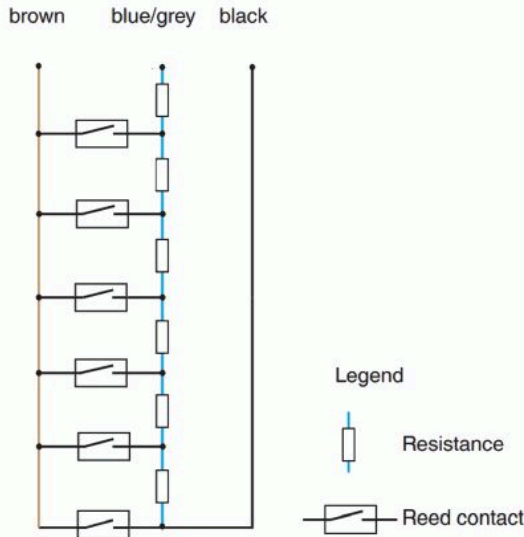
The model LIT-B reed sensors are used for continuous monitoring and recording of the liquid level in connection with transmitters. They work on the float principle with magnetic transmission (permanent magnet, reed switch and resistance measuring chain) in a 3-wire potentiometer circuit. A magnetic system built into the float actuates reed contacts, through the walls of the bypass chamber and of the sensor tube, in a resistance measuring chain (potentiometer). The measurement voltage generated by this is proportional to the fill level. Different contact separations are available. The resistance measuring chain is made up from reed contacts and resistors soldered onto a PCB. For selecting the optimum sensor (sensor model, connection housing, electrical connection, sensor tube (material and total length), contact separation, head-mounted transmitter, measuring range, approval) we offer application-related technical advice.

- Installation of head-mounted transmitters in the connection housing possible
- Wide variety of different electrical connections, process connections, materials and contact separations
- Programmable and configurable head-mounted transmitters for 4 ... 20 mA, HART®, PROFIBUS® PA or FOUNDATION™ Fieldbus field signals
- Explosion-protected versions
- Temperature ranges from -100 ... +350 °C



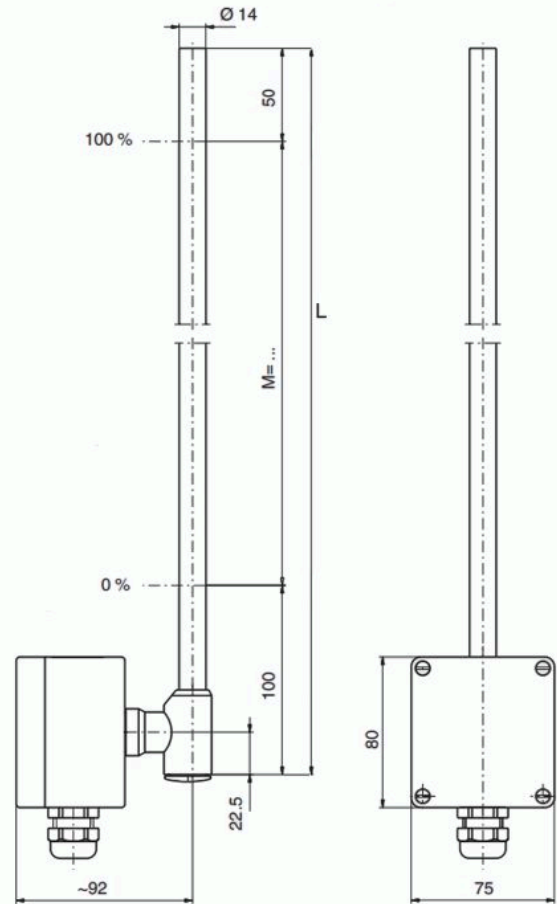
LEVEL INDICATOR MODEL: LIT-B

Internal circuit diagram of the reed sensors



Reed sensor, standard version with connection housing

Aluminium and polyester connection housing



LIT-B		
Guide tube diameter	14 mm	
Temperature range		
Standard version	-50 ... +100 °C	
High-temperature version	-50 ... +200 °C	
Overall resistance of the measuring chain	Depending on length and separation	
Head-mounted transmitter	External transmitter	Head-mounted transmitter
Output	3-wire potentiometer	4 ... 20 mA
Temperature range Permissible power supply	< AC 50 V, < DC 75 V	See the data sheet of the head-mounted transmitter used



LEVEL INDICATOR MODEL: LIT-B

Connection Heads



B EX-PROOF



Box Alumunium



LEVEL INDICATOR MODEL: LIT-B

Order Code

LIT-B Configuration		
1	Process connection	
	Z	Without
	*	Other - please specify
2	Material	
	1	316SS
	*	Other - please specify
3	Length (L)	
	1	1000 mm
	***	***?
4	Connection head	
	BA	Box Aluminium
	Ex	B EX-PROOF
	C	Cable

Additional order details _____

LIT-B -

1	2	3	4



Parto Sahand Ara

Unit 68, First floor, No.22
Somayeh St., Mousavi St.
Tehran-IRAN

www.arainstrument.com
info@arainstrument.com
+98-21-88810155-9
+98-991-2503500