italmanometri s.r.l.

PRESSURE GAUGES IN SAFETY EXECUTION
TYPE SNK 63 REED SWITCHER 201

Diameter:	63 mm
Accuracy:	1,6 % to the full scale value (by 2-double contact 2,5 %)
Execution:	case with bayonet ring stainless steel, solid front between measuring system and dial with full blow-out safety back.
Electronic limit switch:	1-simple reed-limit-switch-contact, from 2,5 bar 2-fdouble reed-limit-switch-contact, from 4 bar
Electric connection:	in series with 1 cable M12 x 1,5 lateral on the right bottom at the case
Measuring system:	stainless steel
Dial:	aluminium white, writing black
Window:	safety glass
Connection:	G 1/4, 1/4 NPT ...
Connection position:	bottom
Options:	- on question

The reed switch type 201 is a quick special switch, which switches electric tensions in the area of milivolt or microampere very securely but with the addition that it can be used in comparative high switching circuits. The way it is build in, allows conserving of the switching function after effected switching over the whole remaining area.

In the execution of our reed switch type 201 the effected switch stays on the switching point even when the indicator traces over the switching point.

Minimum Pressure Ranges

Every pressure gauge needs a sufficient amount of torque to operate a limit-switch contact with minimized error. For with reedswitch a minimum range of 2.5 bar (also compound ranges) has to be considered.

Adjustment

The reed switch can be adjusted to any pressure value between minimum 2 % and maximum 90 % of full scale value. (Take off bayonet ring for adjustment.) A removable key for adjusting the set point from outside (through the lens) is optional available.

Make / Break Operations

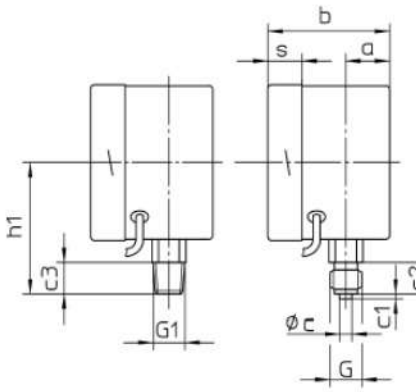
Switching is requested when the pointer is moving in clockwise direction (e.g. rising pressure or decreasing vacuum; standard-version):
R1 making or R2 breaking
Switching is requested when the pointer is moving counterclockwise (e.g. decreasing pressure or rising vacuum):
R4 making or R5 breaking

Electrical data

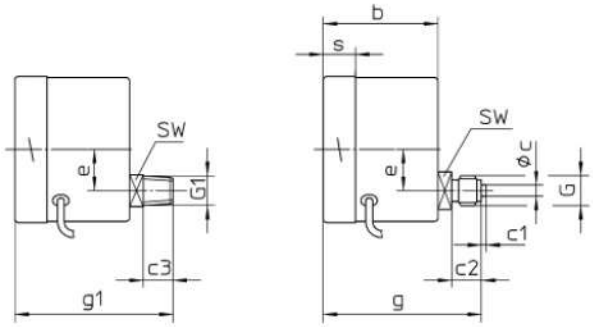
max. switching capacity 10 W (DC) or 10 V (AC)
max. switching voltage < 75 V DC < 50 V AC
max. switching current 0.5 A DC or AC with resistive load

Building in 2 reed-switches is possible in any combination of above mentioned switching functions. The minimum distance between the 2 set points is 25 % of the full scale value. To guarantee an accurate switching function, it is very important to order the required switching direction properly, because otherwise the switching hysteresis has to be considered. Characteristically for a reed-switch is the fact that after a switching conatct took place, the pointer can still move foreward on the scale without a change in the switching function.

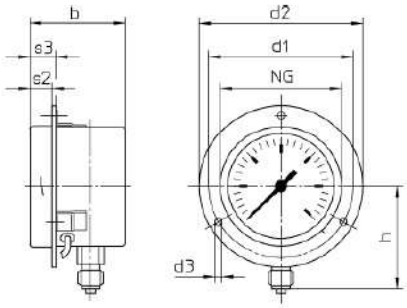
bottom connection



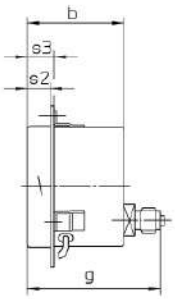
lower back connection



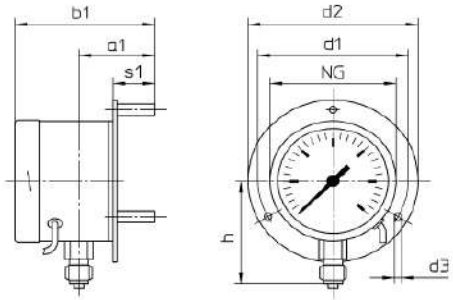
bottom connection
front flange



lower back connection
front flange



bottom connection
rear flange



Ng	a	a1	b	b1	c	c1	c2	c3	d1	d2	d3	d4	e
63	18	38	50	70	5	2	13	13	75	85	3,6	M3	18
G	G1	g	g1	h	h1	s	s1	s2	s3	SW			
1/4 B	1/4 NPT	72	72	54	54	14	21	12	14	14			

mass in mm

We reserve the right to change technical details.