

...measuring with you.

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The year passed was full of many a successes!

*We want to continue with our commitment
to all of our customers,
prioritizing the reach
and effectiveness in dedication
to continually giving our customers
the same good service our customers deserve.*

We wish a Happy New Year to all our customers...



...measuring with you.

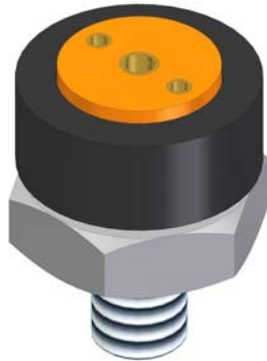
ITEC...measuring with you.

Product Innovation

S103 / S104 : Miniature pressure switches



*“Miniature
pressure switches
for machine
builders”*



S103 : External set



S104 : Internal set

Switches are used either for a ‘control’ or for an ‘alarm’ application in the process industries. ITEC brings you its miniature pressure switches for our valued OEM customers.

Features:

- Compact design
- Fixed differential
- Adjustable set point
- 1SPST contact for S103
- 1SPDT contact for S104

Standard Specifications:

Basic code : S103
 Sensor : Diaphragm
 Sensing Element : NBR / PTFE
 Range : 1...160 bar
 Repeatability : $\pm 2.0\%$ of full scale
 Switch type : Microswitch
 No. of switches : 1 SPST
 Switch rating : 5A / 220VAC
 10A / 24VDC
 Enclosure material : Stainless steel
 Process connection : $\frac{1}{4}$ " BSP (M)

Options:
 DIN connector

Applications:

- Compressors
- Earth movers
- Lubrication industries
- Hydraulic equipments
- Pneumatic machineries
- Automobile applications

Standard Specifications:

Basic code : S104
 Sensor : Diaphragm
 Sensing Element : AISI 316 SS / PTFE
 Range : 1...100 bar
 Repeatability : $\pm 1.0\%$ of full scale
 Switch type : Microswitch
 No. of switches : 1 SPDT
 Switch rating : 5A / 250VAC
 0.2A / 24VDC
 Enclosure material : Die-cast aluminum
 Process connection : $\frac{1}{4}$ " BSP (F)
 Cable entry : PG7
 Max working temperature : 150°C

Product Information

DAMPENED MOVEMENT

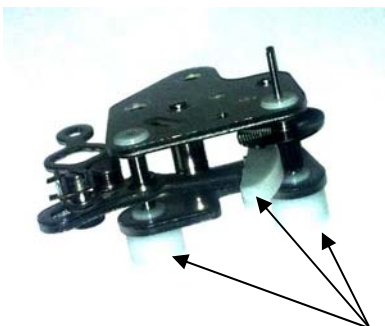
It has been noticed that in applications where heavy vibration and pulsation is present, a dry gauge is not preferred due to the reduced life span and pointer fluttering. The conventional option is a liquid filled gauge. But the of some of filling options like Halocarbon oil is quite costly.

Solution, use a dampened movement in the gauges. The movement utilize a DERLIN® tip Rack with jelly filled dashpot dampening for Rack & Pinion shafts which will reduce the effect of the pointer jerking due to the vibrations and pulsations. In effect avoid the use of a dampening liquid. This will nullify the leakage problem regularly associated with the filled gauges.

Additionally, comparing to the dry gauge the life span of the instrument will increase. The dampened movement also eliminate the environmental issues of the dampening liquid at the time of product disposal.

The option is suitable for Oil & Gas, Chemical, Petrochemical, Hygienic, Water treatment processes where the liquid dampened gauges are used due to the pulsation & vibration.

ITEC offer the DAMPENED MOVEMENT option in many premium models, such as P101, P102, P103, P201, P202, P203 & P204. To know further about the option, contact our sales personnel or write to factory at sales@itecind.com.



**Dampened Movement
Option — GM**



STANDARD SPECIFICATION

Basic Model	: L102
Enclosure	: Die-cast aluminum
Process connection	: Flanged / Threaded
Material of wetted parts	: AISI 316 SS
Switch type	: Reed switch
Switch action	: 1 SPST / 1 SPDT
Switch rating	: 5A / 250 VAC
Switching differential	: 10 mm ± 5 mm
	: 200 mm...3,000 mm
Mounting	: Top
Cable entry	: 3/4" ET
Float diameter	: 25 mm / 49 mm / 41 mm
Switching points	: One / Two / Three / Four
Ingress protection	: IP 65
Max. Temperature	: Up to 100°C
Max. Pressure	: 10 bar
Min. Specific gravity	: 0.7

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Our Products Accessories



A101
Gauge Cock
All stainless steel design



A102
Gauge Siphon
Rigid design



A105
Gauge Siphon
Compact design



A201
Gauge Snubber
Adjustable needle design



A202
Gauge Saver
Bellow / Piston design



A203
Cooling tower
All stainless steel design



D301
Flushing Ring
Detachable / Integrated



D303
Union nut
All stainless steel design



D304
Adaptor
Pressure line fitting



“An algorithm must be seen to be believed!”

Note : Please contact factory or our sales staffers for your enquires and queries or email us at sales@itecind.com

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