

*...measuring with you.*

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## ITEC is now an IBR approved workshop.



Manufacturers and suppliers of boilers and associated components for use in India must comply with the Indian Boiler Regulations (IBR) which covers all material and equipment utilized in the manufacture of boilers for use in India.

The Indian Boiler Regulations (IBR) were created in 1950 to enforce section 28 and 29 of the Indian Boilers Act of 1923 and covers the following areas:

1. Boilers — this includes feed piping from the discharge side of the feed pump and steam piping up to and including the stop valve of the steam consumer and attached fittings or vessels.
2. Steam receivers, separators, steam

traps, accumulators and similar vessels.

3. Heat exchangers, converters, evaporators and similar vessels in which steam is generated.

ITEC Measures Pvt. Ltd. is a facility approved by IBR as “Workshop for manufacturing of Pressure Gauges, Siphon pipes, Gauge Cocks, Reflex / Transparent Gauge Glasses and Thermowells under IBR inspection”. This enable ITEC to work in the power generation sector and the OEMs alike.

Whenever you need to have an IBR approved Pressure Gauge, Level Gauge, Siphon tubes or thermowell, you can contact us. We have an experienced Engineering team who can optimize you the perfect solutions to your Boiler needs.

For further information, please contact our sales personals or write to us at [sales@itecind.com](mailto:sales@itecind.com) to get in touch with you.

And in the end as always;

**“ITEC...measuring with you.”**



*...measuring with you.*

# Product Innovation

## T704 / T705 : Weatherproof / Flameproof Temperature Switch



*“Inert Gas filled Temperature Switches”*



**T704 : Weatherproof**



**T705 : Flameproof**

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

**Features:**

- Inert gas filled expansion
- Various type of Microswitches
- Weatherproof to IP 65
- Flameproof to EEx IIA, IIB, IIC

**Standard Specifications:**

Basic code : T704  
 Wetted parts: AISI 316 SS  
 Range : 5 to 400°C  
 Reproducibility : CL 3.0  
 Switch type : Microswitch  
 No. of switches : 1SPDT// 2SPDT // 1DPDT  
 Switch rating : 15A/250 VAC or 1A/24VDC  
 Enclosure material : Die-cast Aluminum  
 Enclosure Protection : IP 65  
 Process connection : 1/2" NPT or 1/2" BSP

**Options:**

- Wall mounting bracket
- 2" Pipe mounting bracket

**Applications:**

- Marine applications
- Textile machineries
- Power & steel plants
- Furnace applications
- Oil & Gas, Refineries
- Petro-chemicals & Fertilizers
- Cement & Glass industries
- Railway engines & Turbines

**Standard Specifications:**

Basic code : T705  
 Wetted parts: AISI 316 SS  
 Range : 5 to 400°C  
 Reproducibility : CL 3.0  
 Switch type : Microswitch  
 No. of switches : 1SPDT// 2SPDT // 1DPDT  
 Switch rating : 15A/250 VAC or 1A/24VDC  
 Enclosure material : Die-cast Aluminum  
 Enclosure Protection : Flameproof Gr. IIA / IIB  
 Or Explosion proof Gr. IIC  
 Process connection : 1/2" NPT or 1/2" BSP

**Options:**

- Wall mounting bracket
- 2" Pipe mounting bracket

# Product Information

## External Zero Adjustment

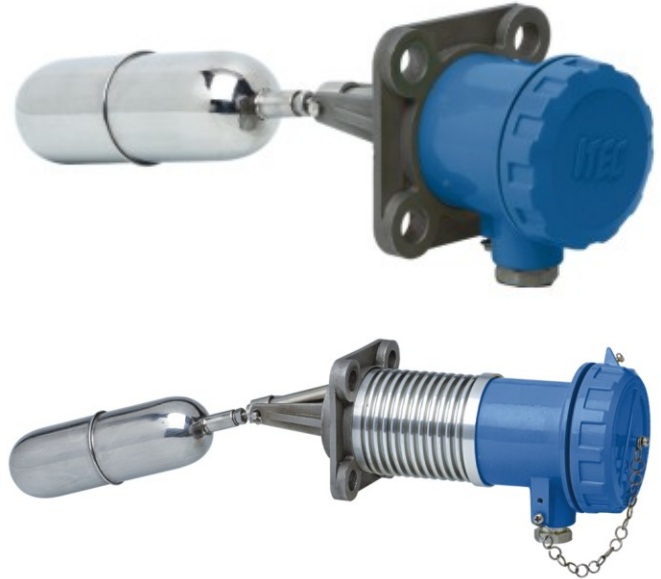
It has been always observed that, the pointer of a pressure gauge been shifted from the zero position of the dial due to the climatic changes in the liquid dampened gauges, or while during a commissioning when you have to optimize the reading at certain point you have to send it to a internal lab or to an external lab to adjust or to repair the gauges. This will increase the commissioning time and thus the project cost.

ITEC has come up with a suitable solution for this issue which happens at the site all the time. An external zero adjustment in the form of a knob, is provided at the right-side bottom of the gauge (See picture below). With the help of this knob, you can adjust  $\pm 10\%$  of the span without hampering the accuracy. The knob also provided with a locking screw, so that you don't have worry about anybody mishandling or shifting of the setting due to shocks or pulsations in the process.

ITEC offer the ZERO ADJUSTMENT options in many premium models, such as P102, P202, P302, P303, P602, etc. To know further about the option, contact our sales personnel or write to factory at sales@itecind.com.



**External Zero Adjustment**



## STANDARD SPECIFICATION

Basic Model	: L101
Enclosure	: Die-cast aluminum
Process connection	: Flanged / Threaded
Material of wetted parts	: AISI 316 SS
Switch type	: Microswitch (SPDT)
Switch rating	: 5A / 250 VAC
Switching differential	: 30 mm $\pm$ 5 mm
	: Adjustable 40 mm...300 mm
Mounting	: Side / Top
Cable entry	: 3/4" ET
Float diameter	: 47 mm
Ingress protection	: IP 65
Max. Temperature	: Up to 120°C
	: High temp up to 350°C
Max. Pressure	: 20 bar
Min. Specific gravity	: 0.6
Insertion depth	: 235 mm

ITEC MEASURES PVT. LTD.

Plot # 397 / 398, 2nd Phase, GIDC  
Vapi 396195, Gujarat INDIA

Phone: +91 - 260 - 6444142  
E-mail: sales@itecind.com

Visit us

[www.itec.it](http://www.itec.it)



## Our Products

### Diaphragm seals



**D101**  
Threaded  
Direct Coupled



**D102**  
Threaded  
Ring Coupled



**D103**  
Threaded  
Heavy duty



**D201**  
Flanged  
" I " - Section



**D202**  
Flanged  
Flushed Diaphragm



**D203**  
Flanged  
Insert Diaphragm



**D301**  
Sanitary  
Tri-clover



**D302**  
Sanitary  
Flush, union nut



**D303**  
Sanitary  
Flush, threaded



**To design is to do magic! And an engineer, is a magician!!!**

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

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