## Model 315T Metal Capacitive Differential Pressure Transmitters



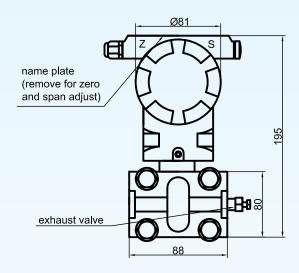
Model 315T series pressure transmitters are made of BCM 115C capacitive pressure sensors, the transmitters obtain all the specifications of it, and extend the measuring ability to gauge pressure and absolute pressure. These pressure transmitters are often used to measure the differential pressures in mbar scale with rather high accuracy, for differential pressure, gauge pressure and absolute pressure applications, the transmitter can measure them in a very wide ranges.

Thanks to the integrated electronics, output of these pressure transmitters is standard signal of 4~20 mA with HART protocol communication. Based on offsetting theory and with help of electronics, the measuring range of these pressure transmitters can be shifted upwards or downwards, extending the measurement to neighboring pressure ranges, including negative pressures which are commonly requested in vacuum world.





# Dimensions of electronic and mechanical auxiliary parts:



#### **Features:**

pressure range: 0/1.3-15 mbar, ..., 0/6.9-68.9 bar,D

0/7.5-75 mbar, ... , 0/41.4-413.7 bar,G 0/37-374 mbar, ... , 0/6.9-68.9 bar,A

accuracy(NL): 0.075 %fso; 0.1 %fso; 0.2 %fso; 0.5 %fso

output signal: 4~20 mA, with HART protocol

system pressure: 70, 140, 312 bar

construction: rigid, welded encapsulation

explosive-proof: Exd II CT6 (option)

materials: diaphragm 316L,

option: Tantalum, Hastelloy-C or Monel

housing: aluminam metal alloy

flange: 316, option: Hastelloy-C or Monel

operating temperature range: -40  $\sim$  +85°C media temperature range: -40  $\sim$  +120°C operating humidity range: 0 $\sim$ 100 %RH

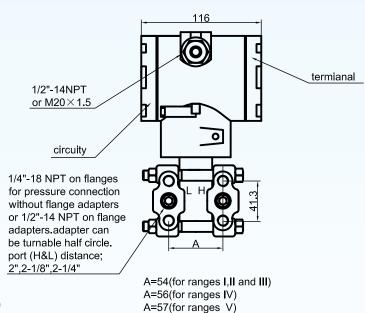
temperature effect on ZERO & SPAN: <0.003 %fso/°C

line pressure effect:  $\pm$  0.25 %fso/100bar;

(can be modified in tube applications)

vibration effect: 0.05 %fso/g/200Hz (any directions)

protection class: IP 67



### **BCM SENSOR TECHNOLOGIES** BVBA

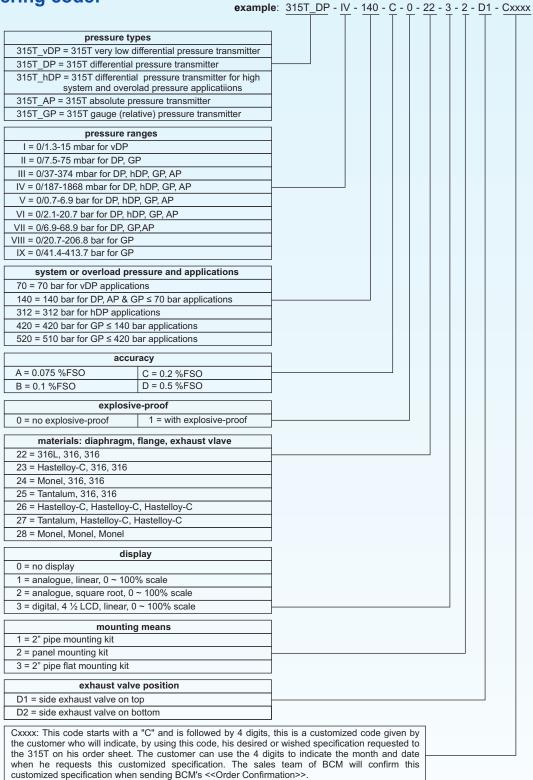
Tel.: +32-3-238 6469

Fax: +32-3-238 4171

## Model 315T Metal Capacitive Differential Pressure Transmitters



#### **Ordering code:**



#### Ordering code explanation: 315T\_DP-IV-140-C-0-22-3-2-D1-C0116

Model 315T\_DP differential pressure transmitter, ranges 0/187-1868 mbar, for applications with system and overload pressure range of 140 bar, the signal output is 4~20 mA with HART protocol communications with accuracy of 0.2 %fso. This transmitter is not an explosive-proof version. The materials of the diaphragm is 316L stainless steel. The flange and the exhaust valve are made of 316 stainless steel. And there is a 4-1/2 LCD digital linear display. The mounting means is panel mounting and the exhaust valve is side vent drain on top of the flange. The customer has indicated on January 16th his wished specification on his order sheet for the ordered 315T\_DP, and this customer-wished specification has to be confirmed by BCM sales team on <<Order Confirmation>>.



ISO9001 Certified Company

### **BCM SENSOR TECHNOLOGIES BVBA**