

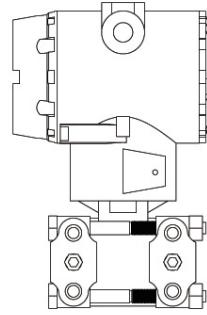
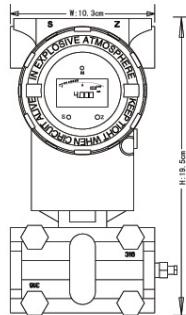
ES 3051C Intelligent Differential Pressure Transmitter

product code: 21900

- 2-wire HART protocol
- isolation, LCD multivariate display
- computer software configuration
- 275/375/475 HART communicator configuration



HART protocol/multivariate display



Technical Data

Range

measurement range

$\pm 0.1\text{Mpa}$... $0\ldots41\text{Mpa}$

max static pressure

13Mpa ... 25Mpa

measurement mode

differential pressure, gauge pressure, absolute pressure

Output signal/ power supply

standard

2-wire: $4\ldots20\text{mA}$ +HART / VS= $12\ldots36\text{VDC}$

Type of sensors

metal capacitor

Performance

comprehensive accuracy

$\pm 0.075\%$ $\pm 0.1\%$ $\pm 0.2\%$ $\pm 0.5\%$

range of medium temperature

$-40\ldots150^\circ\text{C}$

stability

$\leq 0.1\%$ FS

zero point range

adjustable

protection degree

IP65

Specification

process connection

M20x1.5 as customers' required

display

LCD

Order information

order No.

ES 3051C - - - -

gauge pressure

G

absolute pressure

A

differential pressure

D

liquid level

L

range code(0001 for 1 psi)

0 0

displayed variable: bar

0 1

displayed variable: psi

0 3

displayed variable: %

0 4

displayed variable : mA

example: differential pressure transmitter

0...5psi HART protocol, display: bar

ES 3051CD-0005-00

Packing (dimension: 340mm x 360mm x 320mm / NW: 3750g; enclosure: 285g)

Order Information

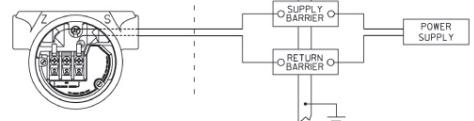
name	order No.	order code
differential pressure transmitter	ES 3051CD-0005-00	21900

Note1: standard pressure connector is inside screw 1/4 NPT, electrical connector is M20*1.5;

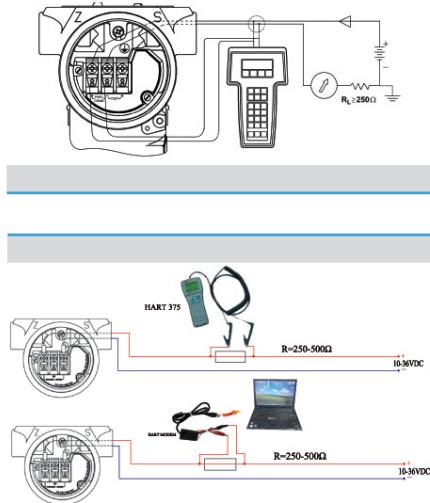
Note2: standard output signal: 4...20mA+HART protocol

Note3: customer needs to buy pressure transmitter configuration suite to configure by yourself(ESP-600 USB).

Wire map



Communication diagram



Valve

