

Specification

DESIGN

The smart valve positioner DC series is available through a receive controller or The control system sends a 4-20mA current signal to control the valve Open device. Built-in microprocessor, accurate control of the valve Open, and can perform automatic setting, PID control, HART communication and other powerful functions ; It has the function of break signal lock position and break air lock position; Standby state gas consumption is close to zero, which can greatly save the plant source; The product is equipped with external liquid crystal screen (LED), so it can be on site directly confirm the status of positioner; Valve position output module and HART module can be added to achieve the corresponding function; Linear, fast open, equal percentage and other flow characteristics can be arbitrarily set; PID parameters can be easily adjusted through the button on the product, or Set 16 points to achieve a special flow curve.

INPUT SIGNAL: 4 - 20mA

IMPEDANCE: Max.460Ω@20mA DC

INPUT PRESSURE
0.14 - 0.7Mpa(1.4 - 7bar)

STROKE RANGE
Linear stroke: 10-150mm
Rotary stroke: 0-90°

AIR CONNECTION:PT(NPT)1/4"

GAUGE CONNECTION: PT(NPT)1/8"

POWER COMMECTION: PF 1/2" (G1/2")

PROTECTION: IP66

EXTERNAL TEMPERATURE RANGE: -30°C-80°C

LINEARITY: ±0.5%F.S

HYSTERESIS: ±0.5%F.S

SENSITIVITY: ±0.2%F.S

REPEATABILITY: ±0.3%F.S

AIR CONSUMPTION: <0.01LPM(sup=0.14Mpa)

FLOW CAPACITY: 60LPM(sup=0.14Mpa)

MATERIAL
Aluminum die casting or Stainless steel

WEIGHT
1.5Kg(3.3 lb)or 2.9Kg(6.4 lb)

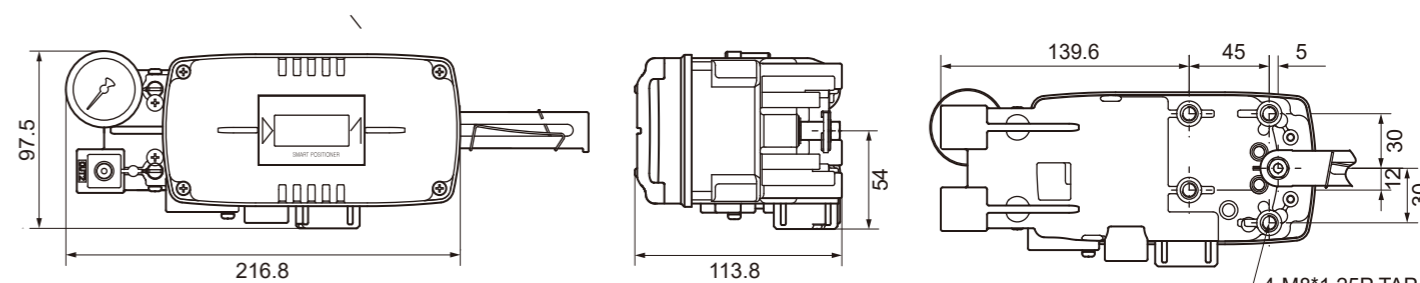
OPTION
Explosion proof: Ex ia IIC T6/Ex d IIC T6
Valve position feedback, limit switches(Mechanical or induction)



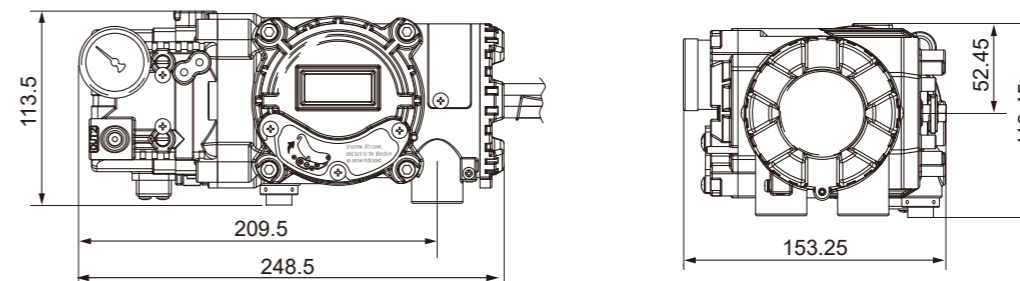
Type:
DC
Smart valve positioner

Linear stroke
Rotary stroke

Dimension



Ex ia II CT6 TYPE



Exd II CT6 TYPE

Ordering example:e.g. DC11G21A

= Smart positioner,Double acting of linear storke,10 - 40mm feedback lever,Fail freeze,PT connection

Locator

A + B. Type	C. Acting type	D. Grade	E. Feedback lever	F. Communication	G. Connection Type	H. Option
DC=Smart positioner	1=Double acting of linear storke 2=Double acting of rotary (NAMUR) storke 3=Single acting of linear storke 4=Single acting of rotary (NAMUR) storke	1=无 5=Exd IIC T6 6=Ex ia IIC T6 7=Ex dmb IIC T6 8=Ex ia IIB T5 9=Exd mb IIB T5	Linear: G=10-40mm H=20-70mm J=50-100mm K=100-150mm Rotary: R=NAMUR	1=No 2=No+fail freeze 3=NO+fail safe 4=HART+fail freeze 5=HART+fail safe 6=HART	1=PT 2=NPT	A=No B=Valve position feedback C=Limit switch(Mechanical) D=Limit switch(Proximity) induction E=Valve position feedback +Limit switch(Mechanical) F=Valve position feedback +Limit switch (Proximity) induction G=Valve position feedback with LCD screen L=Low temperature