



Ex II 2 G/D EEx ia IIC T6

Electro-pneumatic positioner



Doc: YT-2300R/01

Aug 2007

YT2300R ATEX approved Zone 0 SMART Electro-Pneumatic positioner

General:

The YT-2300 Series is our high end 'smart' positioner. Using a highly efficient internal microprocessor and performs various and powerful functions such as auto-calibration, PID control, alarms, and HART protocol.

An LED display gives a continuous status indication and is used for many other functions.

ATEX:

This intrinsically safe positioner is ATEX II 2G/D approved for use in Zone 0 applications (EEx ia IIC T6).

ATEX Certificate: TUV SUD ~ TPS 07 ATEX I 292 X

Specifications:

Main air supply	1.4 ~ 7 bar, 20~100 psi
Control signal	4-20 mA DC
Impedance	Max 460 Ohm/ 20mA
Protection	IP 66
Linearity	± 0.5% Full Scale
Hysteresis	0.5% Full Scale
Sensitivity	± 0.2% Full Scale
Repeatability	± 0.3% Full Scale
Impedance	Max 460 Ohms / 20mA
Operating temp	-30 to +85C
Housing	Aluminium Stainless steel
Output Characteristics	Linear Equal percentage Quick opening User defined



YT-2300 Aluminium



YT-2350 Stainless steel

Applications:

The YT-2300 range is suitable for Zone 0 applications (EEx ia IIC T6).

It is strongly recommended that the supply air is filtered to 5 microns or better to protect the fine internal orifices within the YT-1000R. See our YT filter regulator data sheet(s) for details.

Installation:

The YT-1000R is quick and simple to mount to a Namur compliant drive shaft, using the universal mounting bracket provided with the positioner.

Air connections are 1/4" NPT.

Fits the **CH-air** A Type Pneumatic actuator ~
Actuator features:

Robust rack and pinion construction

High accuracy machining of components

ATEX Ex II 2 GD approved for use in hazardous areas

CE Approved

Guaranteed for 1,000,000 cycles

Balanced air & spring strokes in spring return version

Safe to dismantle for routine maintenance

Compliant with all actuator standards

Accessories are easy to mount

Hard anodised aluminium body

ENP coated option (Extra cost)

Teflon® coated option (Extra cost)

Stainless steel version (Extra cost)