

# 2030: Electronic Position Transmitter

The Electronic Position Transmitter (model 2030) is suitable for installation on quarter turn and linear actuators. It has been designed to meet various industrial application requirements, for example on-board pneumatic actuators. The enclosure has the capability to house a wide range of either mechanical or inductive limit switches (up to 4). A shaft with a manually-adjustable cam is used for accurate and easy setting of the limit switches which are pre-wired to a terminal strip.

*High exhaust flow*



## Key features

- > Suitable for standard, offshore, sandstorm, copper free ambient conditions
- > Single and double acting actuators
- > Low and high ambient temperatures
- > Quarter turn and linear actuators
- > Designed to be coupled with STI motion converter device

## Benefits

- > Contactless sensor
- > Easily configurable for 30-90° angles
- > Direct or reverse action
- > Explosion proof version
- > Position transmitter / Position transmitter + Limit switch version available
- > Available with integrated limit switches

## Electrical certifications

- > Protection degree: IP66
- > Hazardous area certification: ATEX EExd II 2 G EEx d IIC T6
- > CE and EMC certifications



Position transmitter with limit switches (aluminium)



Position transmitter without limit switches (aluminium)

## Technical specifications

### Housing materials

Painted RAL 9005 aluminium  
Stainless steel 316 (without limit switches)

### Operating temperature

-40°C to 85°C (-4°F to 185°F)

### Accuracy (\*)

<0.5% (including linearity, repeatability and hysteresis)

### Loop supply effect (\*)

<0.2% on the full supply range

### Temperature drift (\*)

<0.3% every 10°C

### Response time

<0.2 seconds

### Output

4-20 mA (passive loop)

### Operating angle

30° - 90°

### Action

Direct or reverse locally configurable by a simple switch

### Supply range

12 to 32 Vdc, reverse polarity protected

### Zero and span adjustment

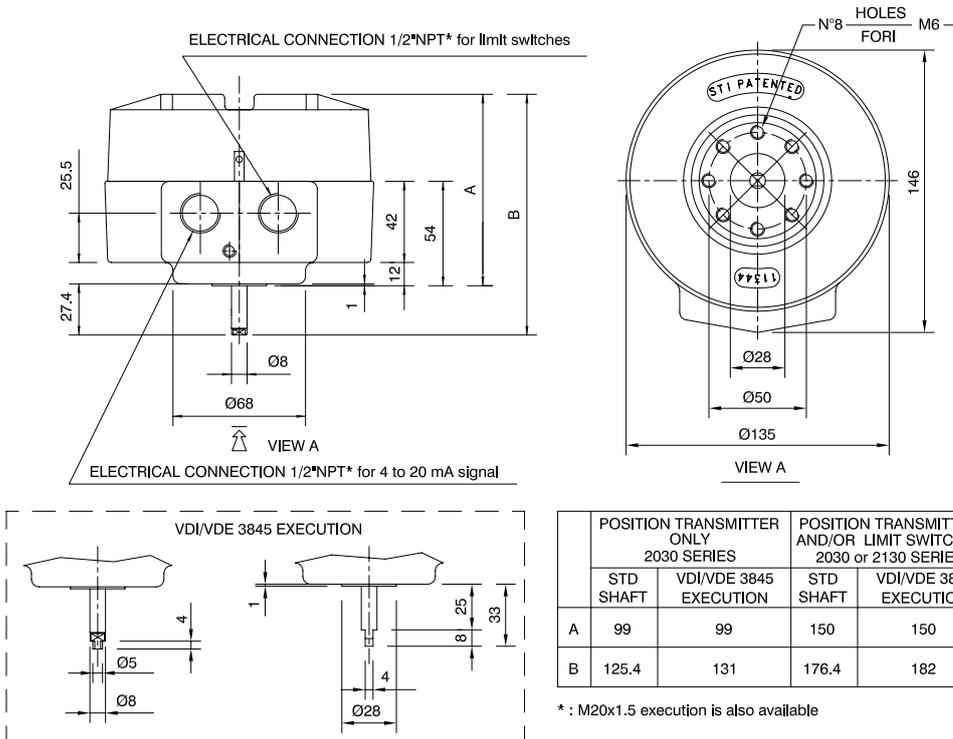
Locally adjustable with screw driver

### Weight

TR aluminium = 1.6 kg  
TR + LS aluminium = 2.2 kg  
TR stainless steel 316 = 5 kg

\*Assuming 90° angle

## Dimensional drawing



Position transmitter without limit switches (stainless steel 316)