YT3300 / YT3350

Linear & Rotary Smart Valve Positioner

The Smart Valve Positioner controls valve stroke accurately according to input signal of 4-20mA being input from controller. In addition, highly efficient microprocessing operator built in the product performs various and powerful functions like Auto calibration, PID control, Alarm and Hart protocol.

- LCD equipped outside of product makes to check the positioner condition in the field directly.
- It endures severe vibration.
- It is operated normally regardless of change of supply pressure during operation.
- Very simple auto calibration method (just pressing a button)
- Stainless steel housing (YT3350)
- Reduced ar consumption.
- Low voltage (8.5V) operation: support any kind of controller.
- Variable orifice is applied: in case of small actuator the hunting is controlled to the optimum condition during operation.
- Hart communication makes to process various information of valve and positioner.
- Valve system is stable by sending analog feedback signal.
- Adjustment of Valve characteristics (Linear, Quick open, Equal percentage) is available.
- Specific flow control is available with setting 16 point at users' command.
- Tight Shut-Close and Shut-Open can be set voluntarily.
- PID parameters can easily adjusted in the field without additional communicator.
- The pressure of Air filter regulator is sent to Actuator directly with using A/M switch.
- Split range such as 4-20mA, 12-20mA is available.
- Setting Zero and Span as partial section is available by Hand Calibration function.

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TECHNICAL DATA

MOUNTING	ISO reccomanded mounting bracket
PROTECTION CLASS (acc. To EN 60529)	IP66
MINIMUN CORRENT SIGNAL	3,2 mA (std) , 3.8 mA (Hart)
IMPEDANCE	Max 500Ω / 20mA DC
INPUT SIGNAL	4 ÷ 20 mA DC
SUPPLY PRESSURE	1,4 ÷ 7 bar
STROKE	YT3300L / YT3350L (Linear type) : 20 - 150 mm YT3300R / YT3350R (Rotary Type) : 0 - 90°
PNEUMATIC CONNECTIONS	1/4"NPT
CONDUIT	PF 1/2 (G1/2)
REAPEATIBILITY	±0.3% F.S.
HYSTERESIS	±0.5% F.S.
LINEARITY	±0.5% F.S.
SENSITIVITY	±0.2% F.S.
AIR CONSUMPTION	2 l/min supply 1,4 bar
FLOW CAPACITY	70 l/min supply 1,4 bar
AMBIENT TEMPERATURE	-30÷85°C (T5)
EXPLOSION PROOF	Ex ia IIC T5/T6
BODY & COVER MATERIALS	YT 3300 : Alluminium with anti corrosive paint YT3350 : Stainless Steel
WEIGHT	YT 3300 : 2Kg YT3350 : 5Kg

Calibration?

just pressing a button

OPTIONS

HART PROTOCOL	LIMIT SWITCHES
POSITION TRANSMITTER (4÷20mA)	

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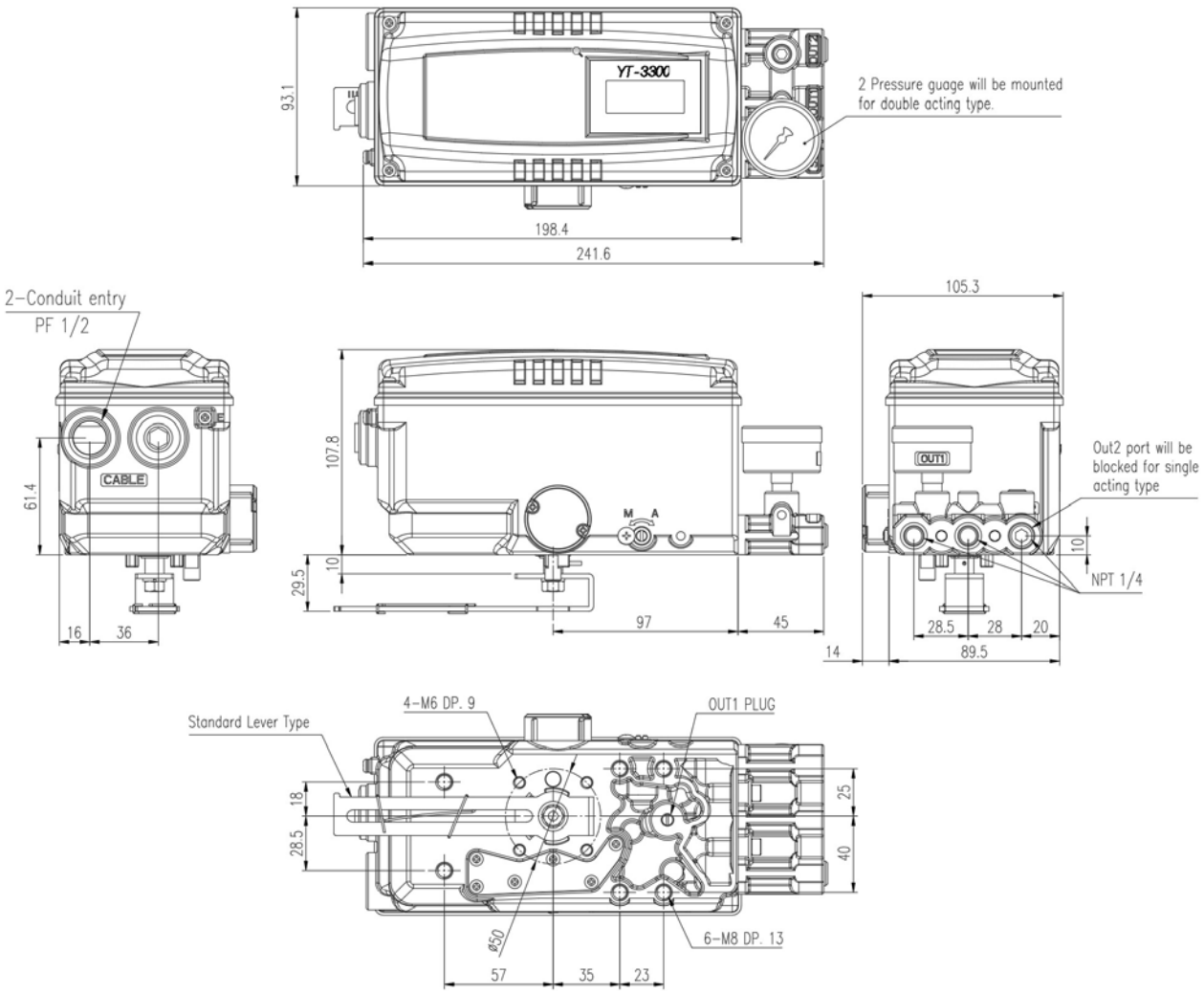
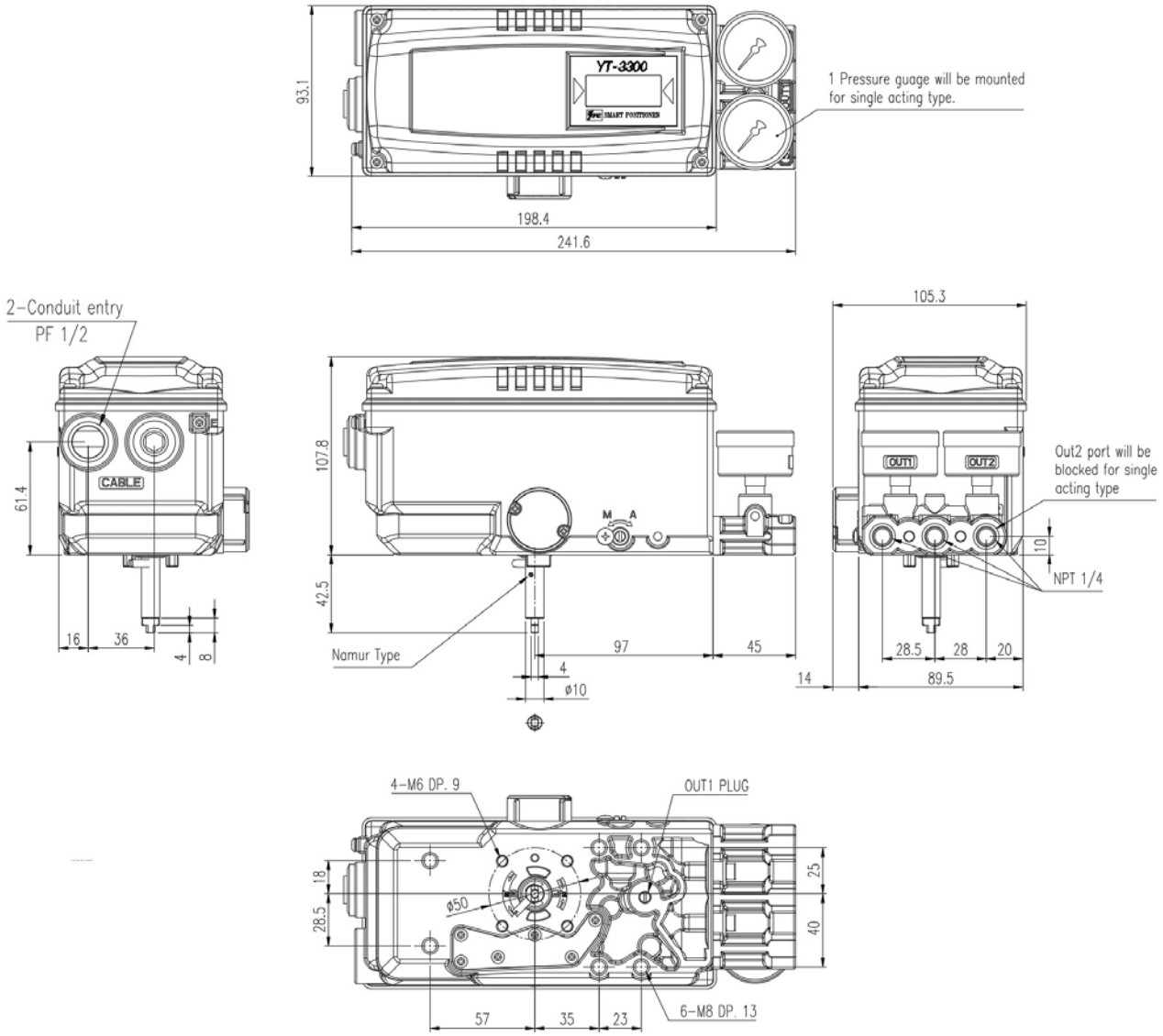
YT3300L / YT3350L DIMENSIONS



YT3300L / YT3350L DIMENSIONS



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