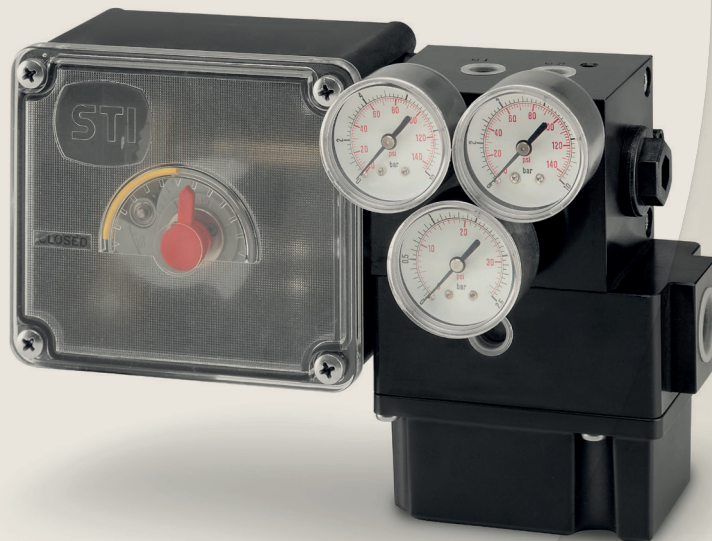


Process Automation

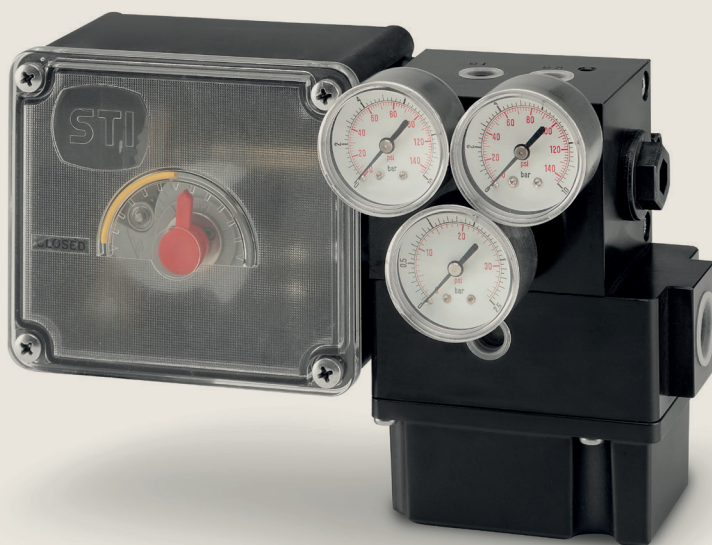
IMI STI

CRP-3/M

Compact Positioner



Breakthrough
engineering for
a better world



CRP-3/M

Compact Positioner

IMI STI's model CRP-3/M is an analog positioner available in pneumatic and electro-pneumatic versions. The positioner has a heavy duty design making it suitable for use in very harsh conditions. It is used as the control part of the pneumatic valve set in oil and gas, refining, chemical, power, metal production and other fields with automated systems. The pneumatic versions accept a 3-15 psi (0.2-1 bar) signal and the electro-pneumatic version a 4-20 mA signal. The positioner is based on the balanced-forces principle with air distribution to the actuator chambers carried out by an internal spool.

This positioner is designed for use on linear (minimum stroke 8mm) or rotary actuators using different feedback systems (e.g. lever or motion converter). The CRP-3/M is a double acting positioner but it can be used as single acting.

The positioner is equipped with a different linear CAM (angle up to 270°) for use on actuators with different stroke lengths.

The CAM operating angles and range adjustments are printed on the positioner. Special CAM profiles are available on request.

Product features and benefits

Compact design.	High reliability.	Special characterisation/ range.	Suitable for:
Metallic case.	Available with lever or with bare shaft, standard or Namur.	Available with a full stainless steel spool valve.	Standard, sandstorm, copper free ambient condition.
Heavy duty design.	Split range signal.		Single and double acting actuators..
			Low and high ambient temperature.

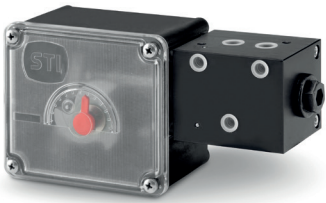
Technical specifications

Housing materials Rynite Cover polycarbonate	Feeding connection ND 1/4"	CV max low flow ND 1/4" Inlet = 0.12 ND 1/4" Outlet = 0.12	Sensitivity 0.15% of signal range
Operating pressure P min = 2.5 bar P max = 7 bar Design pressure = 10 bar	Output connection ND 1/4"	Operating temperature 20°C / +70°C	Linearity 1% of the stroke with linear cam
Static air consumption 0.4 Nm³/h (0.25 SCFM) at 400kPa (60 psi)	Pilot signal connection 1/4" NPTF	-40°C / +85°C available on request	Hysteresis 0.5% of full stroke
Static air consumption (I/P converter) +0.09 Nm³/h (0.06 SCFM)	Electrical connection for I/P version ND 1/2" NPTF	Signal 3-15 psi 4-20 mA	Weights CRP-3/M ND 1/4" = 1.4 kg CRP-3/M-EP ND 1/4" = 1.9 kg
	Enclosure degree of protection IP65		

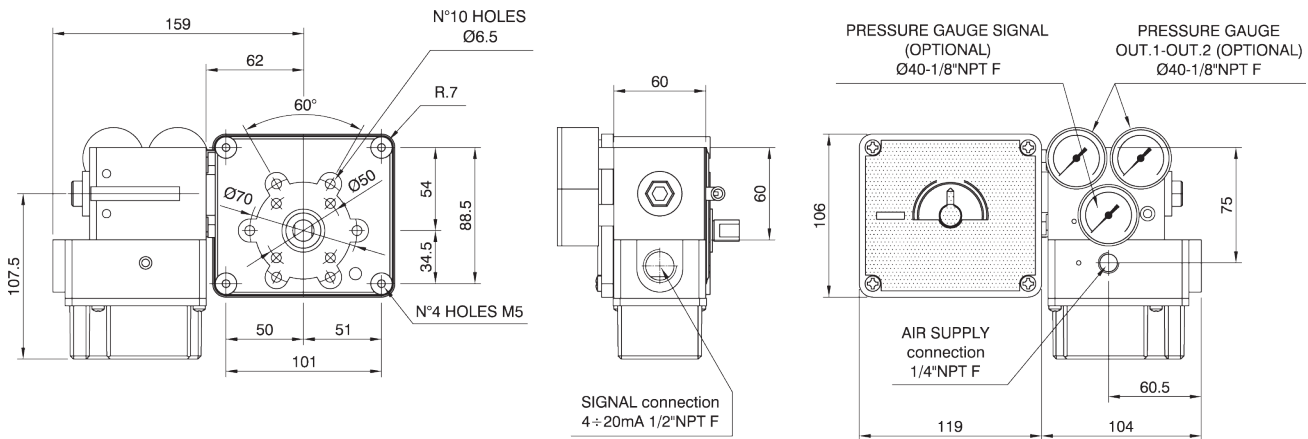
Optional Accessories

- Intrinsically safe EElectro-
pneumatic version available.
- Customized cam.
- Pressure gauges.
- VDI/VDE 3845 EN 15714-3
connections (NAMUR).

CRP-3/M Pneumatic
Version.



Dimensional drawing



Process Automation

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