

Automatic Pneumatic Pressure Calibrator



APC 300

- Accuracy up to 0.01% F.S
- Control Stability within 10 ses
- Integrated, Automatic Pressure Generation
- Custom Ranges (-atm to 200 bar) (require external supply)

Ordering Information

Model:
APC300 - Range

Standard accessories:

- 1) Factory Cal Certificate Traceable to International/ National Standard
- 2) Operating Manual
- 3) x1 high pressure hose
- 4) Adaptors - 1/2", 3/8", and 1/4" NPT Female
- 5) Warranty 1 year
- 6) PC based TIS Integrated Calibration software TIS Cal-Ware

Pressure Specification

Internal Reference Ranges:

-atm to 70 barg/A
or any range below

Accuracy:

$\pm 0.025\%$ FS, Optional 0.01% FS

Pressure Resolution:

5 or 6 digits depending on accuracy selected

Temperature Compensation:

0 ~ 50 oC to rated accuracy

Selectable Engineering Units:

Mpa, bar, kg/cm², kPa, psi, mbar
inH₂O@20C, inH₂O@4C, inHg
mmH₂O@20C, mmH₂O@4C

Control Stability:

0.002% FS @ less than 15 secs

Media Compatibility:

Built-in
electric pump (self generate)

Pressure Connection:

1/4", 3/8", 1/2" NPT female

Electrical Inputs

mA Input Range:

$\pm 0 \sim 24$ mA (24 VDC Loop Power)

mA Input Accuracy:

0.01 % FS

Volts Input Range:

$\pm 0 \sim 30$ VDC

Volts Input Accuracy:

0.025 % FS

Switch Input:

Non-contact Input

General Specification

Display:

4.3" TFT Colour Touch Screen

Warm Up Time:

10 mins

Communication:

RS232

Size:

280 x 180 x 540mm (>10 barg)

280 x 180 x 420mm (<10 barg)

Weight:

14 kg

Power Supply:

230Vac, 50/60 Hz @2Amp

or

110 Vac, 50/60 Hz @ 4Amp