

Study Of P/I & I/P Converter



Product Categories: [Engineering Equipment](#), [Heat Transfer Lab](#)

Product Page: <https://www.labappara.com/product/study-p-p-converter/>

Product Description

Study Of P/I & I/P Converter

I/P and P/I converter setup is designed for understanding basic principles of electronic and pneumatic signal conversion. The setup consists of I/P converter, P/I converter, digital calibrator, pressure gauges and air regulator and air filter regulator. The Digital calibrator is used as current source to supply 4-20 mA DC to I/P converter and to measure the output current in mA DC from P/I converter. I/P converter gives the output as 3-15 psig and P/I converter gives output as 4-20 mA DC. All the components along with necessary piping and fittings are mounted on support housing designed for tabletop mounting. Set-up enables study of I/P and P/I converter working, calibration and characteristics of linearity, hysteresis, accuracy, and repeat-ability.

Features

Table mounted set-up

Compact and simple to operate

Digital calibrator

Combined set up for study of I/P and P/I converter

Specifications

Product: Study of I/P and P/I converter

Pressure Transmitter: Type Two wire, Range 0-1 bar, Output 4-20 mA

I/P converter Input: 4-20 mA, Output 3-15 psig

Signal Isolator Input: 4 to 20 mA, output 4-20 mA

Digital Calibrator: Measure/source, milliamp/millivolt mode

Air regulator: Range 0-2.5 kg/cm²

Air filter regulator: Range 0-2.5 kg/cm²

Pressure gauge: Range 0-2.5 kg/cm²(2Nos), Range 0-7 kg/cm²(1Nos)

Overall dimensions: 550 W x 300 D x 400 H mm

Optional: Mini compressor