

Product Name : Potentiometric Error Detector Trainer for Instrumentation Electric Labs	Product Code : ITT-TR-12
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Description : Potentiometric Error Detector Trainer - Potentiometric Error Detector Trainer - ITT-TR-12 with angular/linear position control system. Which is to provide an output angular position signal which precisely follows the input angular position signal. DC/AC POTENTIOMETRIC ERROR DETECTOR Scientech 2306 provides in-depth study of closed loop & open loop position control system. All the feedback control systems operate from the error signal which is generated by a comparison of the reference and the output. Error detectors perform the crucial task of comparing the reference and output signals. If the inputs and outputs are already in the form of electrical voltages then the error detector is a simple comparator. But in position control system the inputs and outputs are in the form of angular/linear displacement hence these displacement are converted into the analogous electrical voltage by means of potentiometer (3600 SHAFT ROTATION SERVO POT). DC/AC both operations High quality 360 shaft rotation servo potentiometer
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AC excitation at 800Hz approx (inbuilt Wien bridge oscillator)

Built in balanced demodulator circuit

3.5 digits DVM for carrying measurements

Separate test-points to observe waveforms after each block

Phase reversal of error in AC operation

Closed loop position control system

Self contained and easy to operate

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