Product Name :	**Product Code :**
Speed Control of DC Motor by PLC Trainer for Instrumentation Electric Labs	ITT-TR-24

Description :

Speed Control of DC Motor by PLC - There is a need for Engineers and Technicians to be familiar with PLCs and to be able to program them.

The experience and skill to be able to achieve this can best be obtained through practical hands-on use of a PLC connected to a real system. Speed Control of DC Motor Scientech 2426 enables Students and practicing Engineers to gain invaluable practical experience of the principles and application of analog module in PLC (Programmable Logic Controllers).

The objective is to have and better understanding of how analog signals are interfaced and controlled with PLC. Speed control of DC motor by PLC Scientech 2426 has a DC Motor Driver (PWM Method). In this method width of the pulses is varied in accordance with the reference DC voltage which is compared with the triangular wave by an Op-amp which is in open loop mode. Hence in this term speed of the motor is varied.

According to the speed of the motor pulses will be generated using techo generator which consist of an IR Sensor when the wheel (12 teethed) is moved between the IR Sensor. When the gap comes between the IR Sensors, the IR rays pass in this condition. The Output becomes low. When the teeth come between the IR Sensors, the IR rays do not pass in this case Output the becomes high. This process continues and the finally

frequency (Train of pulses) is generated. Which goes to the F/V
(Frequency to Voltage) circuit

User friendly and powerful instruction sets.

Ready to use application board.

Exhaustive learning material

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