

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electrical Engineering - Industrial Instrumentation

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

- Lecture 1 - Introduction to Industrial Instrumentation
- Lecture 2 - Dynamic Characteristics
- Lecture 3 - Dynamic Characteristics (Continued.)
- Lecture 4 - Strain gauge
- Lecture 5 - Load cell
- Lecture 6 - Torque Measurement
- Lecture 7 - Thermistor
- Lecture 8 - Thermocouples
- Lecture 9 - Resistance Temperature Detector
- Lecture 10 - LVDT
- Lecture 11 - Capacitance Transducers
- Lecture 12 - Flowmeter - I
- Lecture 13 - Flowmeter - II
- Lecture 14 - Flowmeter - III
- Lecture 15 - Flowmeter - IV
- Lecture 16 - Flowmeter - V
- Lecture 17 - Problems on Temperature Sensors
- Lecture 18 - Pressure Sensors
- Lecture 19 - Low Pressure Measurement
- Lecture 20 - pH and Viscosity Measurement
- Lecture 21 - Problem and Solutions On Industrial Instrumentation
- Lecture 22 - Signal Conditioning Circuits - I
- Lecture 23 - Signal Conditioning Circuits - II
- Lecture 24 - Piezoelectric Sensors
- Lecture 25 - Ultrasonic Sensors
- Lecture 26 - Nucleonic Instrumentation
- Lecture 27 - Measurement Of Magnetic Field
- Lecture 28 - Optoelectronic Sensor - I
- Lecture 29 - Optoelectronic Sensor - II

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- Lecture 30 - Synchro
- Lecture 31 - Dissolved Oxygen Sensors - I
- Lecture 32 - Dissolved Oxygen Sensors - II
- Lecture 33 - Flapper - Nozzle
- Lecture 34 - Smart Sensors
- Lecture 35 - Chromatography - I
- Lecture 36 - Chromatography - II
- Lecture 37 - Pollution Measurement
- Lecture 38 - Control Valve - I
- Lecture 39 - Control Valve - II
- Lecture 40 - Signal Conditioning Integrated Circuits