



National Institute of Technology Delhi

राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

Vision

Create an educational environment to prepare the students to meet the challenges of the modern electronics and communication industry through state of art technical knowledge and innovative approaches beneficial to society.

Mission

- To promote teaching and learning by engaging in innovative research and by offering state-of-the-art undergraduate, postgraduate, and doctoral programs.
- To cultivate an entrepreneurial environment and industry interaction, leading to the emergence of creators, innovators, and leaders.
- To promote co-curricular and extra-curricular activities for the overall personality development of the students.
- Building of responsible citizens through awareness and acceptance of ethical values.

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

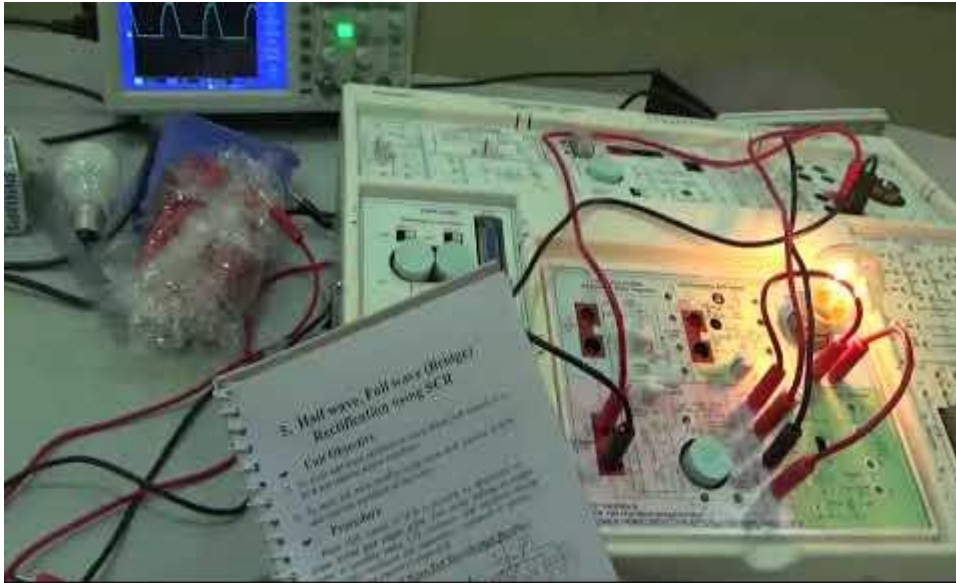
इलेक्ट्रानिक्स एवं संचार अभियांत्रिकी विभाग



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB



Experimental Setup

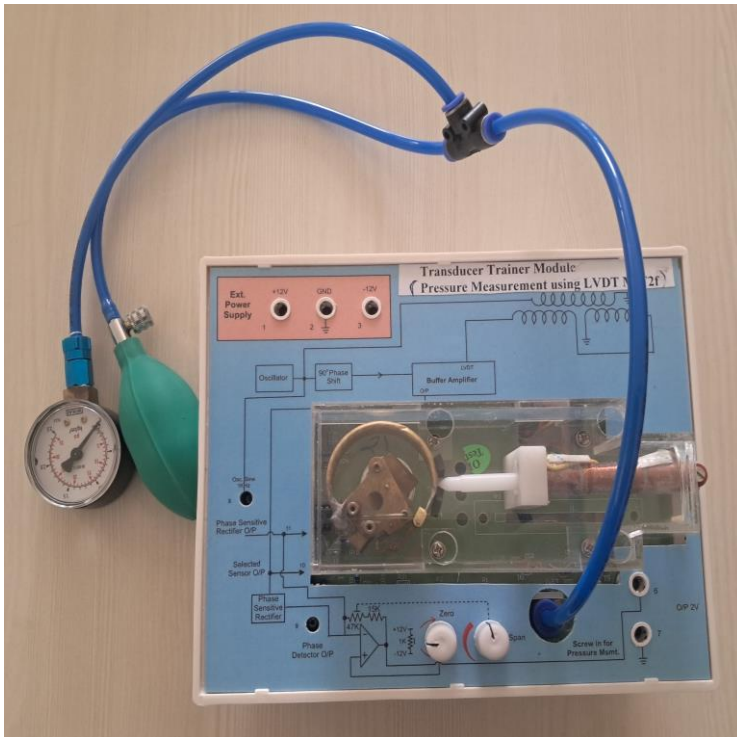




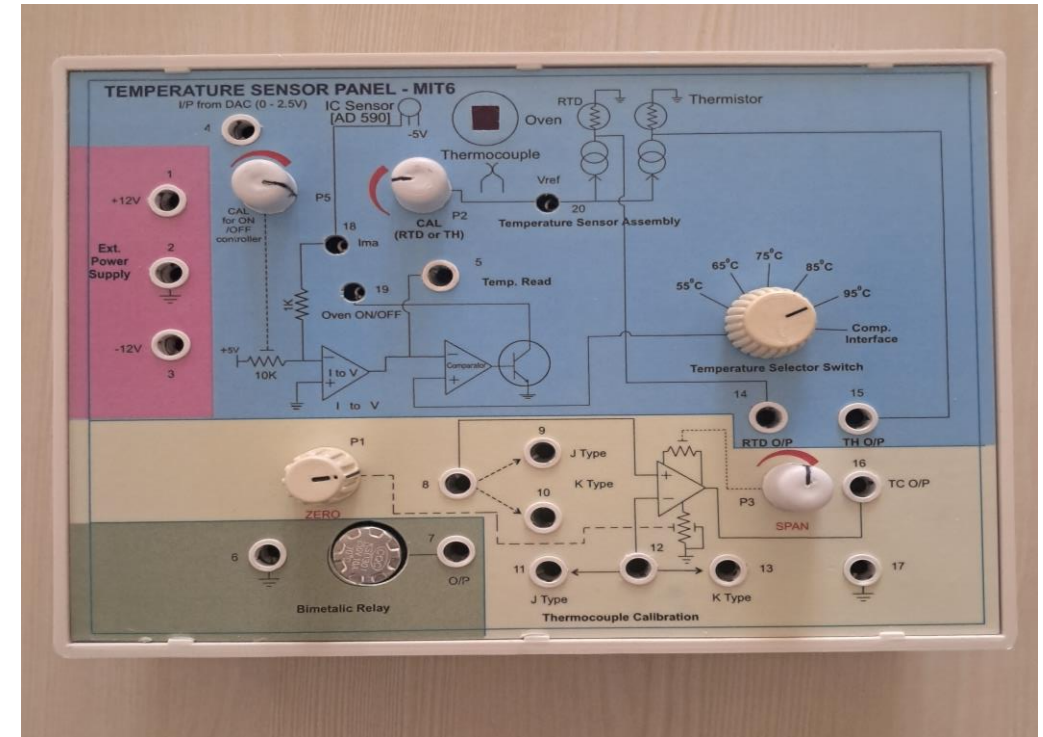
राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB



Pressure Measurement using LVDT
Panel



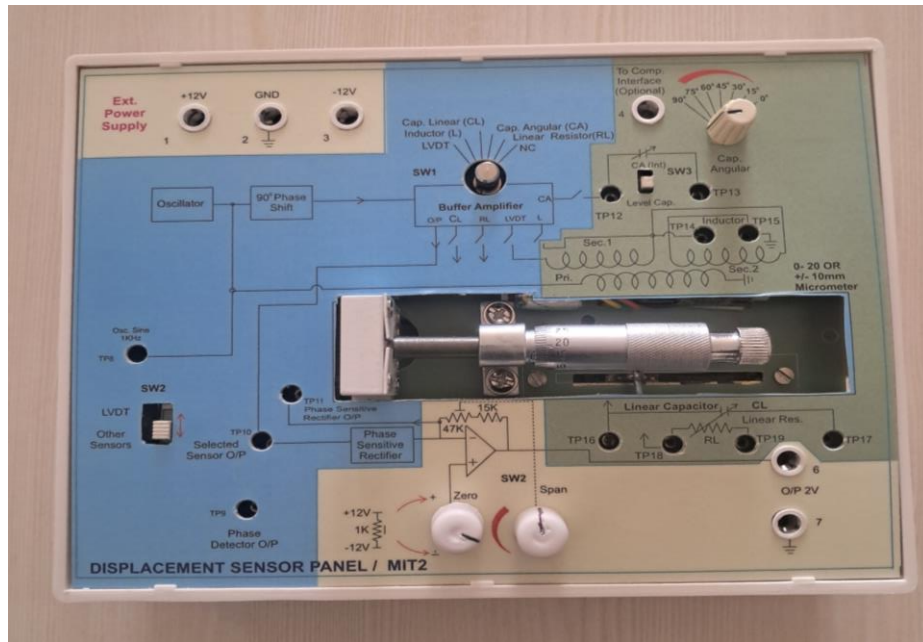
Temperature Sensor Panel



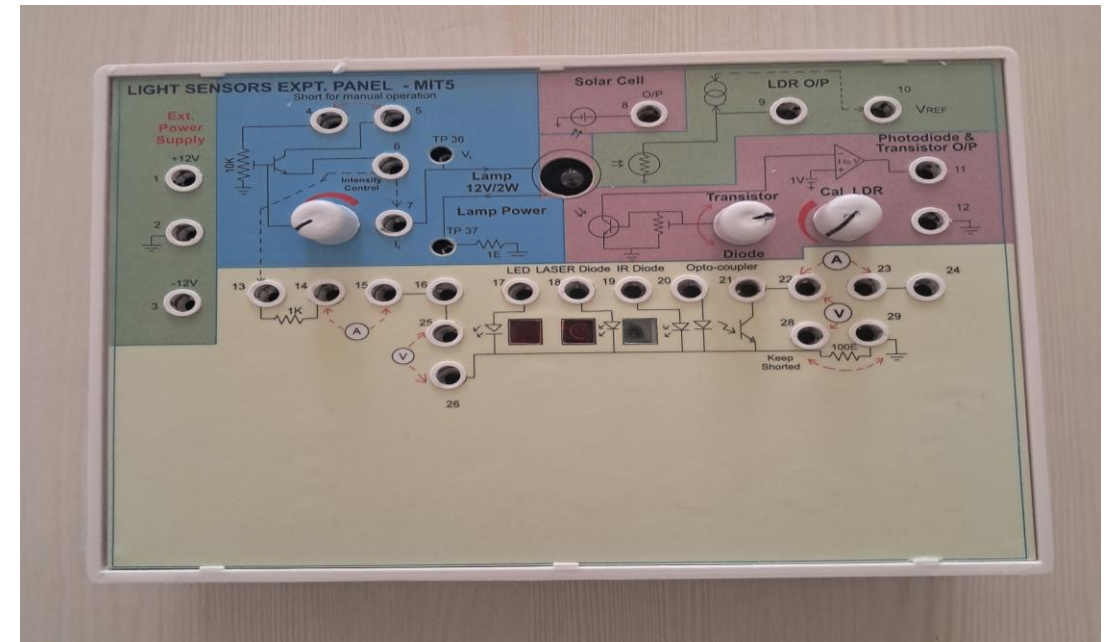
राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB



Displacement Sensor Panel



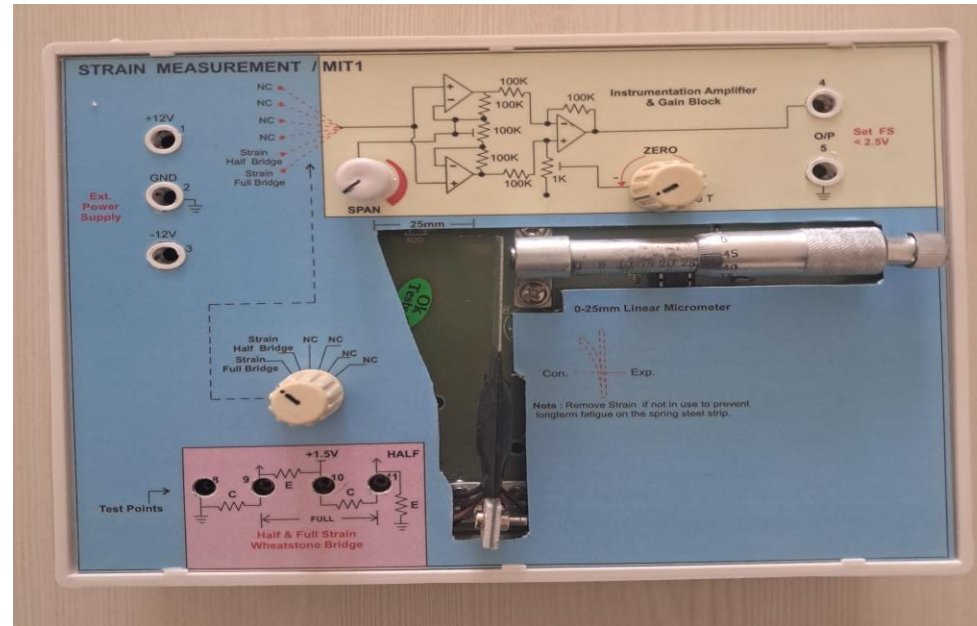
Light Sensors Panel



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB



Strain Measurement Panel



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB

List of Instruments/ Equipment/ Software

Hardware

S. No.	Item Description	Qty	Model/ Version	Make
1	Digital Storage Oscilloscope Infiniivision - 200Mhz, 2GSa/s, 4-Channels	5	DSOX2024A	Keysight Technologies
2	Digital Multimeter	3	U1232A	Agilent
3	Digital Multimeter	2	U1252A	Agilent
4	Light Sensing Transducers	5	XPO MIT with MITS	Trinity Microsystems
5	Sensor Transducer Training System With Computer Interface	6	XPO MIT with C1	Trinity Microsystems
6	Temperature Sensing Transducers	5	XPO MIT with MIT6	Trinity Microsystems
7	Sensor Transducer Training System Without Computer Interface	5	XPO MIT without C1	Trinity Microsystems
8	Transducer Training Module	5	XPO MIT with MIT2f	Trinity Microsystems
9	Universal Bridge Trainer Module	10	TP 24	Trinity Microsystems
10	Strain Gauge Transducers Module	5	XPO MIT with MIT1	Trinity Microsystems
11	Displacement Sensing Transducers	5	XPO MIT with TMIT2	Trinity Microsystems
12	PC based data acquisition system with sensors	3	NA	Advance Technology
13	Universal transducer trainer	2	NA	Advance Technology



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

इंस्ट्रुमेंटेशन और मापन प्रयोगशाला | INSTRUMENTATION AND MEASUREMENT LAB

List of Instruments/ Equipment/ Software

Hardware

S. No.	Item Description	Qty	Model/ Version	Make
14	LVDT trainer - 20 mm	2	NA	Advance Technology
15	Load cell trainer	2	NA	Advance Technology
16	Strain gauge trainer	2	NA	Advance Technology
17	Touch panel trainer	2	NA	Advance Technology
18	Colour sensor trainer	2	NA	Advance Technology
19	Pressure trainer kit	2	NA	Advance Technology
20	Temperature sensor trainer with RTD/ Thermocouple / thermistor	2	NA	Advance Technology
21	Water flow measurement trainer	2	NA	Advance Technology
22	Humidity sensor trainer	2	NA	Advance Technology
23	Photo transducer kit photo cell, photo transistor, photo diode	2	NA	Advance Technology
24	Arbitrary Function Generators, 20Mhz, Dual channel	5	EDU33212A	Keysight Technologies
25	LCR Meter, Handheld	10	U1733C	Keysight Technologies



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

धन्यवाद | THANK YOU

इलेक्ट्रानिक्स एवं संचार अभियांत्रिकी विभाग

Department of Electronics and Communication Engineering

