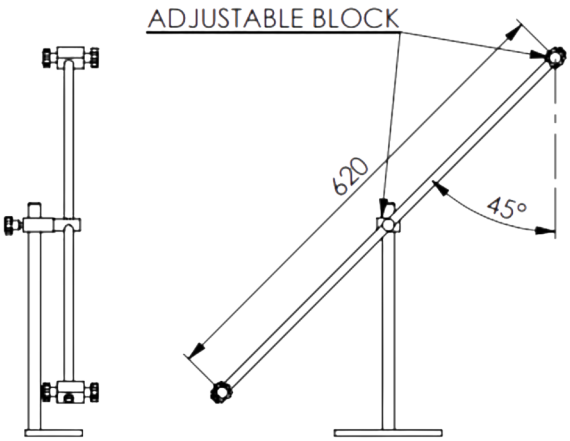
- Accessories Included
- Burner lighter
- Flame height measurement gauge
- ISI Certified Fire Resistance and Good Quality of Connection Pipe
- Fire resistant Gloves



Inclined Flammability Tester for Insulated Wires and Cables

Fire testing is vital for understanding behaviour of wires and cables towards Fire & their self-extinguishing properties.
Flammability can be defined as the Potential with which a material will ignite, continue to flame, and spread or propagate a flame over a distance. The relative difficulty required to cause the ignition of a material is typically determined through laboratory fire testing equipment.
A fire in a cable installation can cause substantial damage in different ways. The burning cables will stop functioning. A bundle of cables consisting of multiple cables can burn at a very high intensity. Depending on the type of cable, polymers, and flame retardants involved, large amounts of smoke and toxic gases can be produced
Most cables are made from metal wire with plastic sheathing. The regular plastic sheathing protection given on most of the cables is highly flammable, spreads fire easily, and releases toxic fumes and thick smoke that can become a hazard in the case of fire.
So choosing the right material of cable for the right application is essential for your business's performance and safety. A cable with optimum fire properties does not propagate flames, develops little smoke, generates no toxic or acidic fire gases and contributes as little calorific value to the fire as possible.

Conforms standards –

IS/ISO 6722 -Road Vehicle 60 V and 600 V Single core cables
ISO-19642- Road vehicles automotive cables

Key features

- Designed with three Precision test fixtures
- Stainless Steel constructed Enclosure, with a heat resistant window at the front for observation
- Designed with user convenience in mind
- Complete and ready to use system
- Highly precise Digital timers with resolution of 0.1 sec
- Specimen holders accommodate a wide range of wire diameters
- Equipped with Gas flow control valve
- Accurate positioning of burner ensures precise testing
- Revolutionary Clamps design for easy fixing of cables and hold it straight throughout the test.

Technical specifications –

Display	Digital 7 Segment
Bunsen Burner diameter	9 mm
Maximum Wire length that can be tested	Inclined at 45 Degree (600 mm)
Time Accuracy	± 1 sec. at full range
Power	220V, Single phase, 50 Hz
Burner Angle	$0^0/45^0/60^0$ from horizontal
Digital Timer Range	999.9 Second
Digital Timer Least Count	0.1 second
Gas flow control valve	Yes Included
Inner chamber size	300 mm (L) X 600 mm (D) X 1175 mm (H)
Distance from nozzle to specimen	Adjustable
Flame height gauge	100 mm and 50 mm