UNIVERSAL TESTING MACHINE (UTM):

INSTRON-1342

The UTM (Instron 1342) is a servo hydraulic fluid controlled machine, consists of a two column dynamically rated load frame with the capacity of load up to 100kN (dynamic), hydraulic power pack (flow rate 45 litre/minute) and 8800 Fast Track 8800 Controller test control systems is stand alone, fully digital, single axis controller with an inbuilt operating panel and display. The controller is fully portable and specifically designed for materials testing requirement. This controller has position, load and strain control capability. The softwares available with the machine are:

(a) Merlin Testing Software for Tensile Test
(b) da/dN Fatigue Crack Propagation Test.
(c) Kic Fracture Toughness Test.
(d) Jic Fracture Toughness Test.

Specifications:

- Cross head movement ± 50mm
- Maximum load 100kN dynamic and 200kN Static
- COD with 10mm opening and 10mm travel
- Strain gauge with ±4mm travel
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**Charges**