

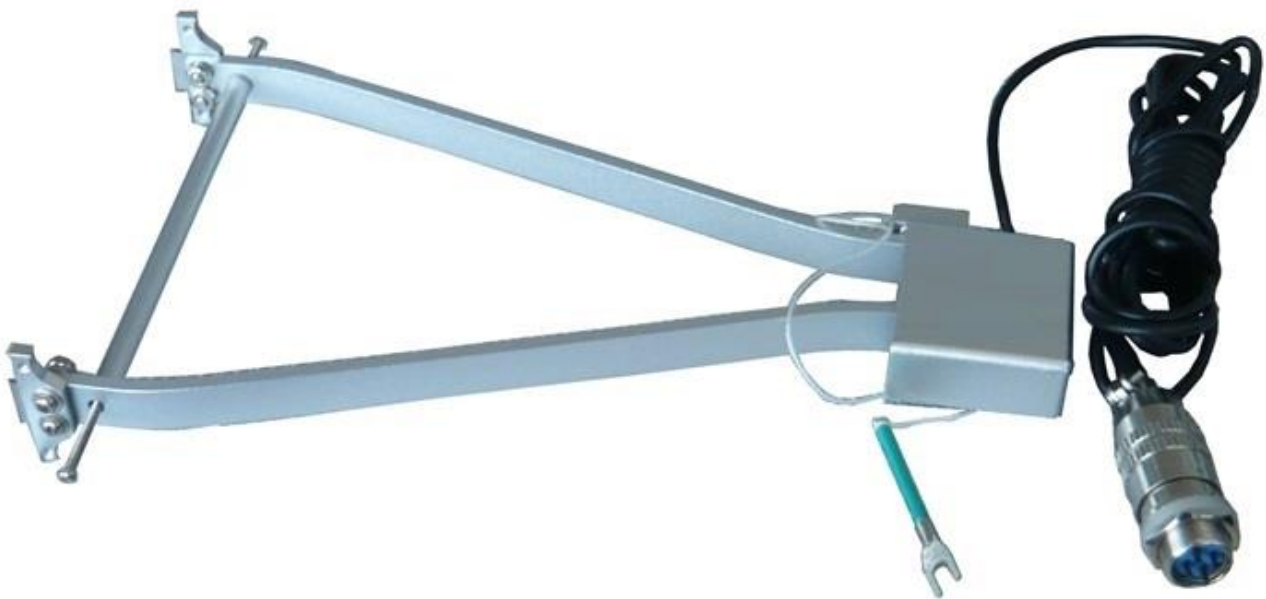


**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# ELECTRONIC EXTENSOMETER

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



**BEE-5**

**DESCRIPTION:**

This instrument is to be used on Tensile or Universal Testing Machines to find out proof stress, young modulus values & Materials strain related properties. In case of many brittle materials such as high carbon steels, alloy steels, light aluminum & magnesium alloys, it is difficult to get yield values. For such materials stress corresponding to a certain allowable amount of plastic deform stress say 0.1% or 0.2% proof stress.

If this extensometer is ordered with computerized UTM, then special software is provided, which accepts load & extension values & evaluates proof stress values. Using this software you can check multiple proof stress points (From 0.1% to 1%, any combinations or all points) of any material on a single graph.

**FEATURES:**

- High accuracy & Precision: Complies with ASTM & ISO standard.
- Robust build: Designed to operate under harsh lab or field conditions.
- Real time monitoring.

**TECHNICAL SPECIFICATION:**

Model No.	BEE-5
Gauge Length	25mm/50mm by means of extender
Type	Strain gauge type
Measuring Range	5mm
Resolution	0.001mm
Output	0.3 Mv / V / mm (approx.)
Excitation	10 V. DC nominal
Nominal Resistance of Bridge	350 ohm
Accuracy	Class 1 as per IS 12872 /ISO 9513

\* Due to continuous product development, Image & specification can be upgrade.