

Hand Held Colour Meter for Jute and Allied Fibres

Background:

Colour of fibre means the property of fibre which distinguishes its appearance as redness, yellowness, greyness etc. ICAR-NINFET has been developed a digital and mechanical colour and lustre meter which requires continuous supply of power. In hand and eye method of grading, colour of fibre is assessed subjectively. This instrument assesses fibre colour subjectively and indicates through LED lights:

Technology Details:

Hand held type and portable colour meter is developed to measure the colour of fibre at onsite for farmers. It is light weight, battery operated torch kind of colour meter working on the principle of light reflectance. It consists of colour sensor, four LED to indicate the qualitative characteristics of fibre and battery level and rechargeable battery as power source. A colour sensor is a type of "photoelectric sensor" which emits light from a transmitter, and then detects the light reflected back from the detection object with a receiver. Three LED of the instrument indicates whether fibre tested falls under very good, fairly good and average category.