JS-Ⅱ Gel Strength Tester

Gel strength test system is mainly used to measure the gel strength of gelatin under the stipulated environment. The gel strength of gelatin is an important indicator to reflect the technological level of gelatin production and control the production quality of gelatin.
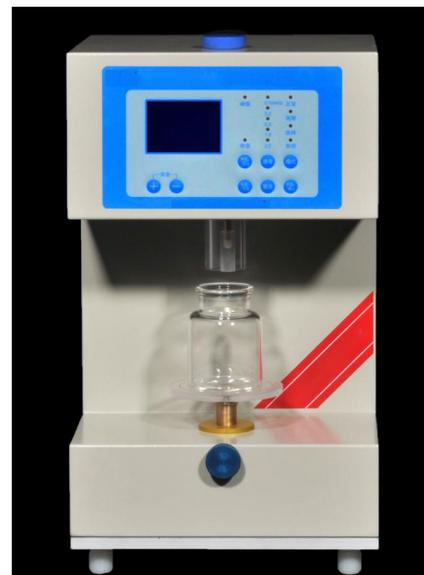
Applicable standards：

◆ National standard Food Additive Gelatin GB6783
◆ National standard Hard Capsule of Pharmaceutical Gelatin GB13731
◆ Industrial standard Pharmaceutical Gelatin QB2354
◆ Industrial standard Industrial Gelatin QB/T1995
◆ Industrial standard Bone Gelatin QB/1996
◆ Industrial standard Photographic Gelatin QB1997

Host of gel strength tester

Technical indexes：

◆ Meet the requirement for measurement time limit in *Pharmacopoeia* of Edition 2015
◆ Computer monitors the press-in depth error of probe to the gelatin surface dynamically.
◆ Intelligent LCD
◆ Test range：5-1000Bloomg
◆ Test precision: ±0.3%
◆ Resolution: 1g
◆ Repeated measurement error：±1 Bloomg
◆ Sampling depth: 1-60mm
◆ Stroke error: ≤±0.1mm
◆ Stroke error of high-speed measurement: ≤±0.1mm
◆ Measured value: take Bioom g as the unit
◆ Measured diameter of cylinder: 12.700±0.010mm
◆ Standard gel strength bottle：volume=150ml; inner diameter=59mm; height=85mm
◆ Total power：60W
◆ Overall dimensions：L*W*H 260mm*260mm*450mm

Main features of host of gel strength tester：

◆ Intelligent professional model which can meet various complicated measurement requirements of professional staff.
◆ High-definition LCD is adopted, users can enjoy intelligent operations according to the screen tips; Chinese character and quantitative index are provided for each operational process.
◆ Powerful data processing ability; it can submit the parameters like mean value, final value or peak value of tested gelatin sample for you automatically.
◆ It provides four kinds of sampling measurement modes including single-step, maintaining, circulating and automatic, making you operate with higher proficiency.
◆ Automatic measurement mode can help you obtain the value of gel strength faster, more accurately and more realistically.
◆ The instrument provides presetting of any sampling depth, which facilitate the users to extract the data of various levels of gelatin sample.
◆ 5 kinds of sampling speeds; 0.1mm/s, 0.2mm/s, 0.5mm/s, 1mm/s and 2mm/s. High-speed measurement is chosen, the press-in depth error of probe to the gelatin surface will not occur.
◆ Sampling depth can be preset arbitrarily（1mm----60mm）.
◆ The instrument provides 2 kinds of sampling results, in cooperation with the different test combinations of sampling speed and sampling mode, so as to provide users with final value and peak value.
◆ Professional high-precision pressure sensor.
◆ High-precision mechanical drive matches with 4-class shockproof design
◆ Users can verify the measurement accuracy of instrument itself by themselves. (with standard weight)
◆ Automatic correction of non-linear error, automatic fault diagnosis alarm, automatic outrange protection and automatic error correction prompt.