

YG032E DIGITAL BURSTING STRENGTH TESTER

| Result | | | Stop |
|--------------------|---------|-----------------|-------|
| Program | Average | Unit | CV % |
| Specimen Pressure: | 0.000 | MPa | |
| Total Pressure: | 0.000 | MPa | 0.0 % |
| Diaphragm Height: | 0.0 | mm | 0.0 % |
| Volume At Burst: | 0.0 | cm ³ | 0.0 % |
| Time to Burst: | 0 | s | 0.0 % |

Search Print Reset Return





MODEL NO.

YG032E

Application:

Digital Bursting Strength Tester is used to determine the bursting strength and bursting distension of woven or knitted fabrics, non-woven, paper, leather and board by application of a hydraulic load under a rubber diaphragm of a specific area. Provide with a digital readout of pressure with peak value hold facility, renewable rubber diaphragms, and Semi-auto clamping device with acrylic bell, adjustable driving system. Provide accurate elongation information of fabrics, up to 0.1mm.

Related Standards:

| | | | |
|-----------|------------|-------------|-----------------|
| STANDARDS | ASTM D3786 | ISO 13938.1 | JIS L 1018.6.17 |
| | ISO 3689 | ISO 3303 | ISO 2758 |

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Features

- Use 16bit Industry-grade MCU(ATMEL, USA), more excellent anti-jamming, more excellent stability;
- With printer port can connected to stylus printer;
- OMRON large LCD touch screen, real-time display the pressure, bursting height, liquid volume, etc.
- With save cover, transparent, easy to observe the sample state;
- Special design pneumatic clamp ensure to hold sample tight and effective prevent to damage sample;
- Testing area can be changed to meet the demands of different standards;
- Adopt servo motor, bursting speed can be accurate and fast adjusted, sample come under the even pressure;
- Liquid bursting speed can be freely set from 80~50ml/min;
- Bursting strength up to 6Mpa, suit for widely range of materials;
- Machine full with special aluminum, strengthen and light, smooth surface and rustless.



Key Specification:

- Inner diameter of holder: 7.3cm² (φ 30.5±0.05mm)
10cm² (φ 35.7±0.05mm)
50cm² (φ 79.8±0.05mm)
100cm² (φ 112.8±0.05mm) optional
- Diaphragm dia.: φ 140±1mm or specified
- Diaphragm thickness 1mm
- Range of bursting strength: 0~6MPa (60Bars)
- Bursting strength accuracy : ≤±1%
- Range and precision of elongation: 0.1~70mm ±0.1mm
- Load speed 8ml/min~500ml/min
- Hydraulic fluid: glycerin
- Power Supply 220V, 50Hz, 1700W or specified
- Dimension 890×410×650mm(L×W×H)
- Weight 150kg

Standard configuration:

| No. | Item | Quantity |
|-----|----------------------------|------------|
| 1 | Main machine | 1 set |
| 2 | Mute air pump | 1 set |
| 3 | Oil extractor | 1 set |
| 4 | Clamp (φ 30.5, φ 79.8mm) | 1 pcs each |
| 5 | Seal ring | 20 pcs |
| 6 | Glycerin | 500ml |
| 7 | Rubber diaphragm | 5 pcs |
| 8 | Calibration tool | |
| | Height ruler | 2 pcs |
| | Concentric ruler | 1 pcs |

Optional accessories:

| No. | Item |
|-----|----------------------------|
| 1 | Panasonic stylus printer |
| 2 | Clamp (φ 35.7, φ 112.8mm) |