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Manual

Force Gauge

PCE-MTS500

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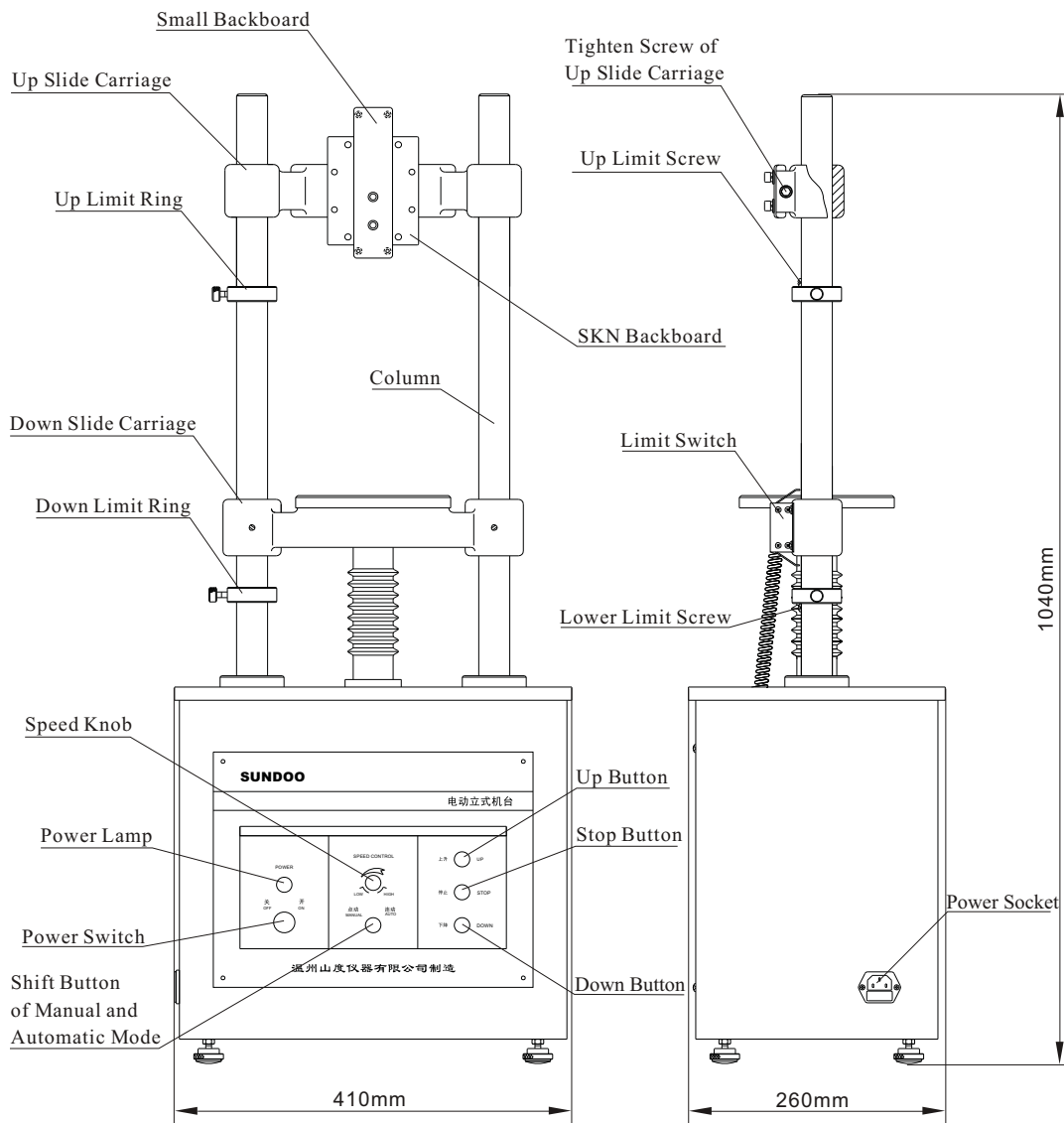
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1. Function

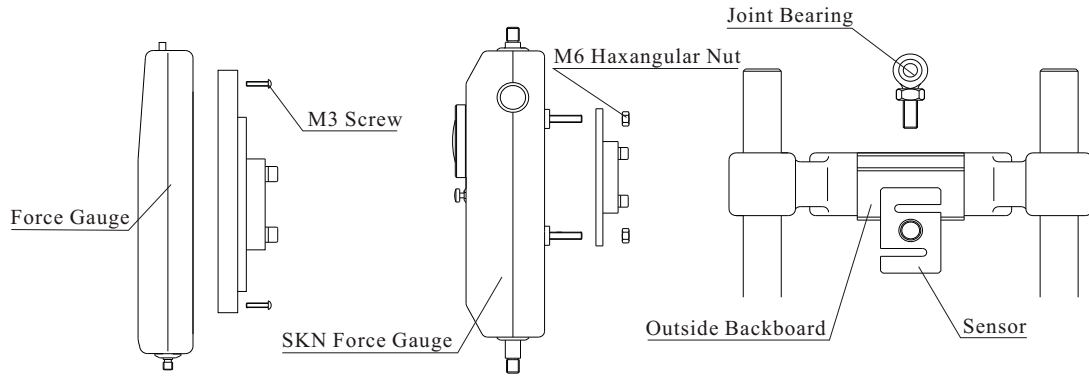
REG/O VU722 Electric Vertical Test Stand, applied in tension and compression test, is assembled with SN/SKN/SH/SP (2N-5kN) Series Force Gauge. The stand adopts double-column construction with good stability, wide application range and easy operation. Furthermore, it has advantages of non-polar speed adjustment, manual or automatic operation, suitable for fields of rubber & plastic products, textile, construction, complex material, wire & cables, auto accessories, engine and scientific research, etc.

Note: When installing different force gauge, it should equip different backboard.

2. Structure



3. Installation of Force Gauge



Picture 1 Installation of SN/SH/SP(Sensor Inside) Force Gauge

Picture 2 Installation of SKN Series Force Gauge

Picture 3 Installation of SH/SP(1kN-5kN)

1. When installing SN/SH/SP(Sensor Inside) Force Gauge, take out 4 pieces of M3 screws from toolbox, and through 4 deep hole of Small Backboard, tighten them into 4 installing hole on force gauge(Picture 1);
2. When installing SKN Series Force Gauge, take off 4 pieces of M6 hexangular screws of back cover, and backboard. also take off Small Backboard on test stand;through 4 hole of SKN backboard, tighten 4 pieces of M6 screws into insalling hole of SKN Force Gauge by nut (Picture 2);
3. When installing SH/SP(1kN-5kN) Force Gauge, it should equip the SJ-021 OutsideBackboard. Loosen the 4 pieces of M6 hexangular screws, take off the SKN Backboard, fix the SJ-021 Backboard on the position of SKN Backboard by the 4 screws;Take one of the joint axletree from sensor toolbox, and tighten the sensor through hole of backboard as showing in picture(Picture 3).

4. Specification

Capacity	(
Measuring Stroke	
Measuring Speed	
Maximum Gap	
Work Voltage	
Rate Current	
Fuse of Main Circuit	
Fuse of Controlling Circuit	
Working Temperature	\pm °C
Store & Delivery Temperature	°C °C
Relative Humidity	

5.Attention

- A. Please do not take Up or Lower Limit Screw at any time to prevent screw mandrel from getting out or damaging to other accessories.
- B. When needing to move UP Slide Carriage for appropriate space, please pay attention:
 - 1. Loosen the tighten screw at two side of Up Slide Carriage, during which it should support the slide carriage by hands to avoid dropping down.
 - 2. The Up Slide Carriage will not upper than the top of column, and lower than Up Limit Screw.

6.Operation

Examine Before Operation

- A. Check Tighten Screw of Up Slide Carriage to be locked firmly;
- B. Turn on the power switch, then the power lamp will be light.
- C. Examine the stand whether there is abnormal sound when moving without load.

Manual Test

Choose the Manual mode by pressing Shift Button of Manual and Automatic Mode; Press Up or Down button all along, the test stand will work; Loosen the button, the test stand will stop work and finish test.

Automatic Test

Choose the Automatic mode by pressing Shift Button of Manual and Automatic Mode; Press Up or Down button once, the test stand will work; Press Stop button, the test stand will stop and finish test.

7.Maintenance

- A. Please keep the environment clean and prevent liquid and metal scraps from entering the engine box, otherwise electric shock may happen and driving components may be damaged.
- B. Please keep the column and lower slide carriage hole clean.
- C. Add some lubricant to screw mandrel and gear after period of time.
- D. Please pull out power connector, and make the stand away from dust and moisture if it is not used.

8.Packing List

Number	Parts Name	Quantity
1	REG/O VU"722 Main Body	1
2	M10 Inner Hexagon Spanner	1
3		1
4	220V Power Wire	1
5	Manual	1
6	Qualification Certificate	1

CONTINUATION

Dear user

We are pleased for your patronage of purchasing our SJV-5K Electric Vertical Test Stand. Before using the equipment, please read the manual carefully and keep it well to give you help when you can not learn it or there is something wrong with it.

Description in the manual is based on the newest products. Owing to improvement or other changes, contents of manual may differ from practical situation. Our company will reserve the right of recension at any moment. Please kindly forgive not to notify the revised place one by one.

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