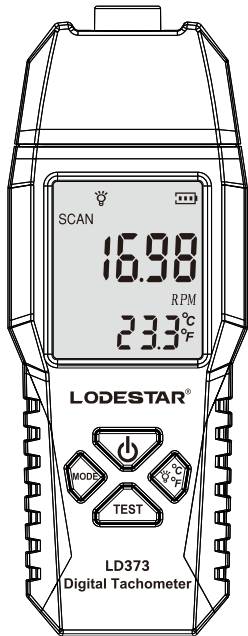


数字式转速表

LD373 使用说明书



1

一、产品特点:

1. 采用微型计算机(MCU)、光电二极管,实现非接触测量转速。
2. 测量范围宽、分辨率高。
3. 超大屏显示,读数清晰、无视差。
4. 自动存储测量的最大值、最小值及最后一个显示值。
5. 低电提示。

二、通用技术指标:

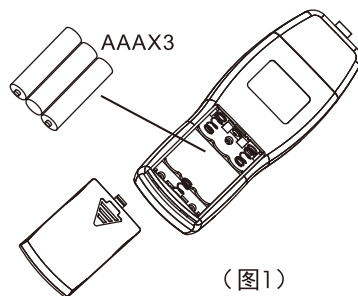
- (一) 显示器:5位液晶显示屏读数
 测量准确度:±0.5%读数
 采样时间:0.8秒(60转/分以上)
 量程选择:自动切换
 有效测量距离:50mm~400mm
 尺寸:134.5x50x26 mm
 电源:3x1.5VAAA电池
 电源消耗:约50mA

(二) 记忆功能说明:

在开机状态下,按MODE键就可以看到测量期间的最大值、最小值及最后一个显示值,先显示MAX值接着显示MIN值,最后显示的读数为最后一个测量值!

(三) 电池的更换:

1. 当电池电压过低时,显示器右边将会显示“”符号,说明电池电量不足,需要更换电池。
2. 打开电池后盖,取出电池。
3. 依照电池盒正、负极正确装上新电池即可。



(图1)

4. 如果长时间不使用该仪表,请将电池取出,以防电池漏液损坏仪表。

(四) 注意事项:

1. 反射标记:剪下10mm方形反射带贴在旋转轴上,反射带面积不能太小。如果转轴明显反光,要先将其涂黑或贴上黑胶布,再在上面贴反光带(贴反光带前转轴表面必须干净、平滑)

2

3

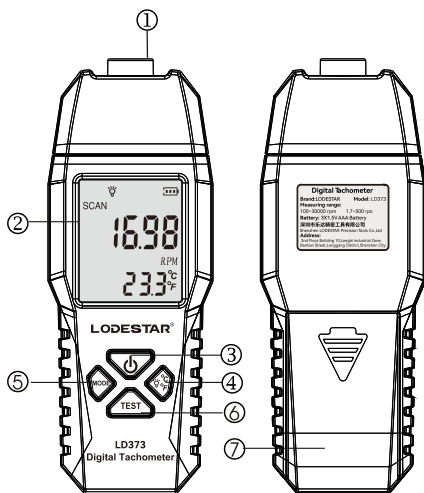
1. 低转速测量:为提高测量精度,测量低转速时建议用户在被测物体上均匀的贴上几块反光带,此时显示屏上的读数除以反射带数量即可得到实际测量值。

三、转速表规格:

- 测试范围:
 100~30000rpm(转/每分钟)
 1.7~500rps(转/每秒钟)
 °C:0.0°C~50.0°C
 °F:32.0°F~122.0°F
 分辨率:
 0.1rpm(100~999.9rpm)
 1rpm(1000rpm以上)
 0.1rps(1.7~500rps)

四、面板说明:

- ①LED(发光二极管)光束
- ②LCD液晶显示
- ③开/关按键
- ④°C/°F/LIGHT转换按键
- ⑤ MODE按键
- ⑥ TEST测量按键
- ⑦ 电池门



(图2)

五、操作说明:

1. 装好电池后长按开关键可以开机/关机。
2. 向待测物体上贴一个反射标记,按一下“TEST”键,使可见光束照射在被测目标上(贴好反光条的部位)与被测目标成一条直线,就可以开始测量。
3. 在“HOLD”状态下,长按“TEST”键进入APO(Auto power off)状态,短按“TEST”键选择ON(5分钟内未操作将自动关机)或OFF(手动关机)的设定短按开关键确定,便返回“HOLD”状态。

4

长按“MODE”键可选择单位“rpm”或“rps”的转换;短按“MODE”键可选择“HOLD”“MAX”“MIN”功能转换。长按“°C/°F/LIGHT”键可选择单位“°C”或“°F”转换。短按“°C/°F/LIGHT”键可选背光灯打开或关闭。

4. 在测试状态下,即显示“SCAN”在这个状态如果测到转速,“”在屏幕上闪烁,如果没有检测到转速,大约10秒从“SCAN”跳至“HOLD”按“TEST”键重新测试。

六、仪表附件:

反射带	3条
说明书	1份

- a 本公司保留对本产品设计规格及说明书内容更新与修改的权利,若有变更,恕不另行通知。
- b 旧电池须按照地方法律或规则来处理!



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 深圳市乐达精密工具有限公司
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 邮箱: lodestar@szlodestar.com.cn

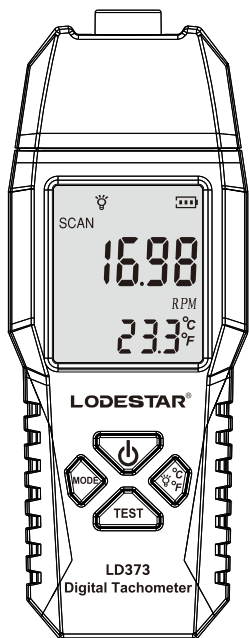
乐达坚持以顾客为本 服务电话: (86-755)8253 3796

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DIGITAL TACHOMETER

LD373 User Manual



1

1. Features:

1. Applying the MCU, photoelectricity and laser semiconductor technology, perform measurement of rotating speed without contact.
2. Wide measuring range and high resolution.
3. Large LCD display.
4. Automatically store the MAX, MIN and LAST value.
5. Low battery indication.
6. Elegant and easy to use.
7. Solid structure built with durable electronic elements and light ABS plastic house

2. Specification:

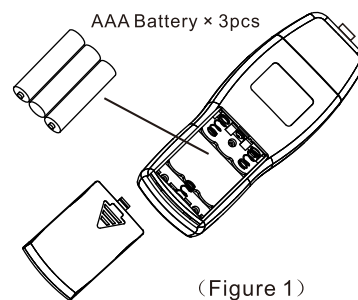
LCD Display: 5 digits, LCD display
 Accuracy: +0.5% Reading
 Sampling time: 0.8 sec. (Over 60 RPM)
 Test range select: Automatic range
 Detecting distance: 50mm~400mm
 Size: 134.5x50x26mm
 Measurement range: 100~30000rpm
 Resolution: 0.1RPM (100~30000rpm)
 1RPM (above 1000 RPM)
 Powersupply: 3x1.5V AAA battery
 Power consumption: About 50 mA

3. Memory Function:

When the power is ON, we can check the MAX/MIN/LAST value by keep pressing the "MEM" button. The LCD display MAX value first, then MIN Value, finally LAST value.

4. Battery replacement:

1. It is necessary to replace the battery when the low battery indicator "☹" appear on the display.
2. Slide away the battery door from the instrument and remove the battery.
3. Install the new batteries (3 pcs AAA battery) properly and install the battery door.
4. If the unit will not be used for a long time, remove the batteries to prevent battery leakage



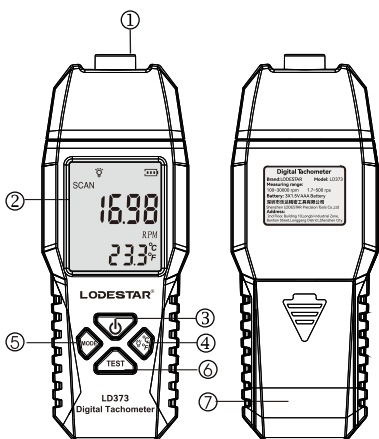
(Figure 1)

2

3

5. Notes.

1. Reflection Mark: Cut the adhesive tape into one 10mm square and stick on the rotation axle. Inaccurate reading will result from measuring shiny or polished axle surface, please apply masking tape or paint to the surface. Axle surface must be clean and smooth.
2. Low speed measuring: we recommend to stick several reflection marks on the axle equally to increase the accuracy for the low speed measuring. The real value = reading/quantity of the marks.



(Figure 2)

4

6. Diagram description:(Figure 2)

- ①Laser Beam ⑤Mode button
- ②LCD display ⑥Test button
- ③ON/OFF button ⑦Battery door
- ④°C/°F/backlight switch

7.Operation instruction:

1. Open the battery door and place three AAA size battery with correct polarity, then close the battery door. Depress "⏻" button to turn the unit ON.
2. Stick a reflection tape to the object being measured. Depress "TEST" button and align the laser beam with the measure target. Release the "TEST" button when the display digit become stable. The result will display on the LCD screen, which will be stored automatically.
3. On the HOLD mode, depress "TEST" button more than 3 second go to APO (Auto power off) mode, depress "TEST" button again to select ON or OFF mode APO ON means unit will automatically turn off within 5 minutes if no any key in detected, APO OFF means no auto power off function, user must turn it off by depress "⏻" button. Depress "⏻" button to confirm the selection, then unit go back to HOLD mode.
4. Depress "MODE" button more than 3 seconds can select the unit (rpm or rps) in sequential, depress "MODE" button also can select "HOLD" "MAX" and "MIN" in sequential.

5. Depress "°C/°F/☼" button more than 3 seconds select temperature unit °C or °F in sequential, depress "°C/°F/☼" to turn the backlight ON or OFF.
6. In normal measurement mode, screen will show "SCAN" icon, if the unit detected the reflective signal from the reflective mark, "☼" icon will blinking to show you the unit take measure of the rotation object. If can't detect the reflective signal more than 10 seconds LCD display shown "HOLD" icon, user must depress "TEST" button again to take measurement.

Accessories:

Adhesive tape	3PCS
Instruction manual	1PC

Special declaration:

- A. We reserve the rights of the update and amendment of the product design and the manual which are subject to change without further notification.
- B. Dispose of battery should in accordance with local laws and regulations.



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