

Battery Replacement

Remove the battery compartment lid and replace one SR44 with its positive(+) side facing upward.

Batteries

SR44B Silver Oxide Battery (Pack 1)

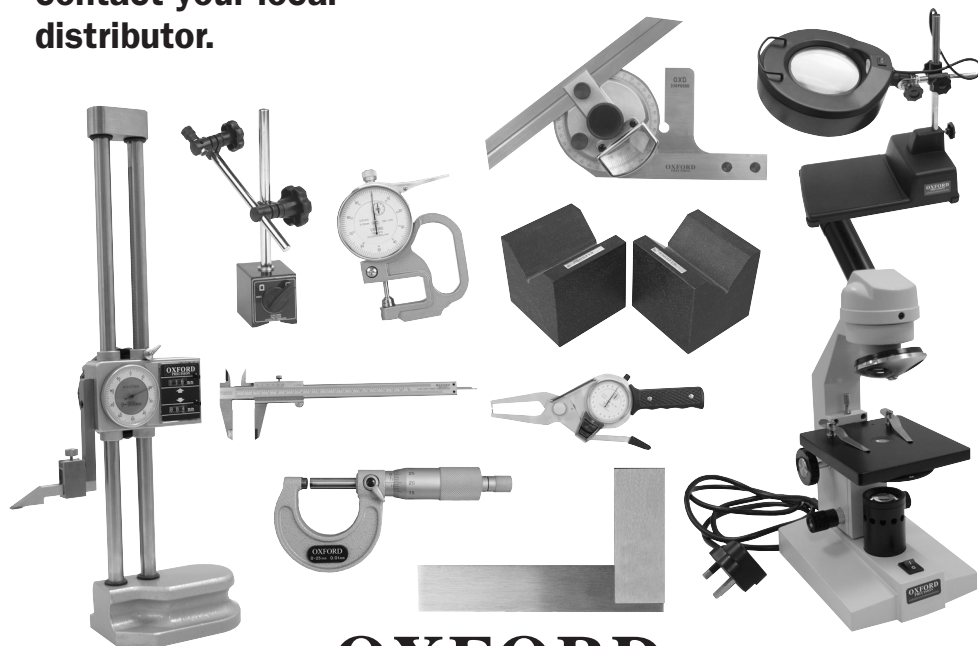
Order Code

PAN-904-5020K

Troubleshooting

Failure	Five digits appear simultaneously and change rapidly
Possible Cause	Battery Power Low
Solutions	Remove battery compartment lid and replace battery
Failure	The display does not work after changing battery
Possible Cause	Circuit accidentally broken by poor voltage when changing battery
Solutions	Remove battery and replace it within 30 seconds
Failure	Reading error for full length is $\leq 0.1\text{mm}$
Possible Cause	Dirt has damaged/covered sensor
Solutions	Remove cover and slider assembly. Apply a small layer of petrol to avoid dirt build-up
Failure	Nothing appears on LCD
Possible Cause	Battery has poor contact. Battery voltage is under 1.1v
Solutions	Check contact of battery or replace the battery

For the complete range of Oxford Precision tools, please contact your local distributor.



**OXFORD
PRECISION**

Leicester, England

Digital Indicators

OXD-331 SERIES

TYPE IDS

- Inch/Metric Convertible
- Zero Reset



TYPE IDM

Multi Function Type.

- Inch/Metric Convertible
- Zero Reset
- Data Hold
- Min/Max Display
- Fast Display
- Auto Power off

OPERATOR'S MANUAL

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Instructions for use of the Oxford Digital Indicators

Important

1. The response speed: $\leq 0.5\text{m/s}$.
2. Avoid shocks, impact, dropping etc.; this will effect the precision & accuracy as well as appearance.
3. Keep indicator face clean, always avoid liquid getting inside it.
4. Do not remove output connector lid unless using output interface.
Output end should never be in contact with metal. Doing so could damage your indicator.
5. Do not allow any part of the digital indicator to come into contact with electrical voltage, as this will damage the circuitry.
6. Always take out the battery if not in use for a long time.

Specifications

Resolution:

IDM Digital indicator: 0.001mm/0.00005"

IDS Digital indicator: 0.01mm/0.0005"

Measuring range:

IDM Digital indicator: 0–12.7mm/0.5"

IDS Digital micro-indicator: 0–12.7mm/0.5"

The response speed: $\leq 0.5\text{m/s}$.

Power: 1 x 1.5v silver oxide battery (SR44)

Operating temperature: 0°C to 40°C

Storage temperature: -20°C to 70°C

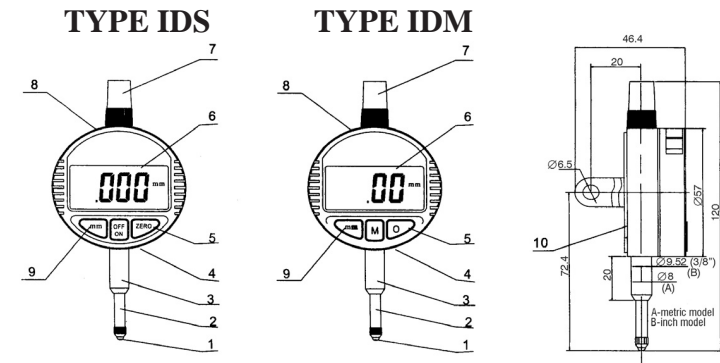
Relative humidity: $\leq 80\%$

Compatibility:

RS232 Output will allow connection to the majority of manufacturers data processing equipment including Mitutoyo.

Functions

1. Zero setting display in any position;
2. As well as "ON/OFF" button for type 1, the "M" button for type 2 "M" means "multi function", offering a data hold function, fast display, tracing of maximum or minimum value;
3. Metric/Inch system interchange at any position;



- | | |
|--------------------------------|--|
| 1. Contact point | 6. LCD display |
| 2. Spindle | 7. Anti-dust cap |
| 3. Mounting diameter | 8. Battery compartment |
| 4. On/Off switch (or M button) | 9. Inch/mm change button |
| 5. Zero setting | 10. Flat back cover (or with back lug) |

Type IDS

1. Clean the contact point and spindle with a soft cloth before using.
2. Press the ON/OFF switch. The .00mm or .000mm display appears, and the indicator is now ready for measurement.
3. Press "ON/OFF" button to turn off.

Type IDM

1. Clean the contact point and spindle with a soft cloth before using.
2. Press the in/mm switch. The .00mm or .000mm display appears, the indicator is now ready for measurement.
3. Usages of the "M" button:
 - a. **Display holding:** press "M" button, "H" appears and display is held at that point.
 - b. **Fast display:** press "M" button, "H" appears, and press zero button, "FT" appears now display moves faster. Press "M" button to fast display after measuring and "FT" disappears. Press "M" again to hold display.
 - c. **Fast tracing of maximum value:** Pressing "M" twice, "H MAX" appears, then press zero-setting button, "F.T MAX" appears and now you can track maximum value. Press "M" button to end tracing of maximum value after recording and "F.T MAX" disappears.
 - d. **Fast tracing of minimum value:** Press "M" button three times and "H MIN" appears, then press zero-setting button, "F.T MIN" appears and now you can track minimum value. Press "M" button to end tracing of minimum value after measuring and "F.T MIN" disappears.
4. Indicator automatically turns off after 5 minutes when not in operation.

Usage of measuring direction button

The customer can select the measuring direction by using the zero button (to read +/-). Press zero before moving plunger to show - if required & zero again at measurement point to display as negative.