

# OIL LEVEL INDICATOR TYPE "I" - BRASS

## Douglass

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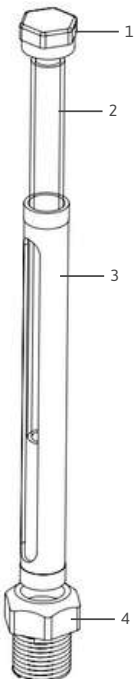
# OIL LEVEL INDICATOR TYPE "I" STRAIGHT - BRASS

## Type "I" (Straight) Oil Level Indicators

Using a straight Douglass oil level indicator instead of a type L can be advantageous due to its simplicity and cost-effectiveness. It offers a direct line of sight for easy reading, is easier to install and maintain, and fits well in applications with ample space around the mounting area. Additionally, straight indicators are often more compatible with existing equipment and reduce overall system complexity, making them a practical choice for various industrial applications.

## What makes Douglass different from other brands?

Douglass products are built-to-last. We do not try to save money in the components used, the quality of the products used, and the robustness of the parts. However, we understand that competition worldwide is fierce and price is a key-factor for decision-makers, therefore we save money in bulk-purchase, optimized logistics, optimized manufacturing processes, and high-level machinery. This helps Douglass deliver high-quality products with a very competitive



### Parts and available materials:

Item	Part name	Material options
1	Stopper	Brass
2	Glass Tube	Borosilicate Polycarbonate
3	Body	Brass
4	Connection	Brass

### Features:

- Connection type:
  - NPT threaded.
- Level indication type:
  - Optical in internal tubular sight glass.
- Work pressure:
  - From 0 to 150 PSI.
- Work temperature:
  - -30°C up to 150°C.
- Connection sizes:
  - 1/4" NPT, 3/8" NPT, 1/2" NPT
- Minimum length
  - 2" Overall Length
- Maximum length
  - 60" Overall Length
- Standard length
  - 6" Overall Length



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Satisfaction Guarantee



## Installation of the Oil Level Indicator Type “I”

### Preparation:

Ensure the machine or tank is turned off and depressurized.

Clean the mounting area on the tank or reservoir to remove any dirt, oil, or debris using a cleaning cloth.

### Inspect the Indicator:

Check the Douglass type L oil level indicator for any visible damage.

Verify that the threads and sealing surfaces are clean and intact.

### Apply Sealant:

Apply pipe sealant or wrap Teflon tape around the threaded connections on the oil level indicator. This ensures a tight seal and prevents leaks.

### Align the Indicator:

Position the Douglass type L indicator at the designated mounting point on the tank or reservoir. Ensure the sight glass or tube is oriented for optimal visibility.

### Thread the Indicator:

Carefully thread the indicator into the mounting port. Hand-tighten initially to ensure the threads are correctly aligned and not cross-threaded.

### Tighten the Connections:

Use a wrench or spanner to tighten the connections securely. Be cautious not to overtighten, as this can damage the threads or the indicator.

### Check Alignment:

Ensure the L-shaped sight glass or tube is properly aligned and visible. Adjust if necessary before final tightening.

### Inspect Seals:

Check all seals and connections to ensure there are no gaps or potential leak points.

### Test the Installation:

Slowly fill the tank or reservoir with oil while observing the indicator for any signs of leaks.

Check the oil level to ensure the indicator accurately reflects the fluid level.

### Final Check:

Once the tank is filled, recheck all connections and the sight glass for proper installation and operation.

### Documentation:

Record the installation date and any observations in the maintenance log for future reference.

## DON'TS

- DON'T use ZIGHT glass tubes if they have scratches, chips, or visible damage.
- DON'T reuse any ZIGHT tubular glass or glass packings.
- DON'T expose gauge glass to bending or torsional stress.
- DON'T over-tighten threads.
- DON'T let glass touch any metal parts.
- DON'T exceed the recommended pressure for the gauge or glass.
- DON'T clean the gauge or glass while it's pressurized or in operation.

## DO'S

- DO ensure you have the correct Douglass equipment.
- DO carefully inspect ZIGHT glass tubes and packings for damage before installation.
- DO inspect the gauge glass daily, keep maintenance records, and perform routine replacements.
- DO protect the glass from sudden temperature changes, such as drafts or water spray.

## Maintenance

- Regularly check ZIGHT glass for clouding, scratching, erosion, or corrosion. Inspect daily to establish a routine replacement schedule.

## Cleaning

- Use non-abrasive cleaners for ZIGHT glass. If needed, use diluted hydrochloric acid, but avoid wire brushes or abrasive materials.

## Inspection

- Examine the glass for scratches, corrosion, chips, cracks, or flaws with bright, angled light. Replace glass that is cloudy, roughened, or doesn't clean well.

## Storing

- Keep ZIGHT gauge glass in its original packaging until ready to install.