

|             |           |           |           |           |           |         |         |         |         |
|-------------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| Functions   | 500-772-1 | 500-773-1 | 500-792-1 | 500-778-1 | 500-779-1 | 500-444 | 500-445 | 500-457 | 500-458 |
| ORIGIN      | ●         | ●         | ●         | ●         | ●         | ●       | ●       | ●       | ●       |
| Data output | ●         | ●         | ●         | ●         | ●         | ●       | ●       | ●       | ●       |

# ABSOLUTE DIGIMATIC SUPER Caliper

Umweltfreundlicher, kühlmitelgeschützter Solar-Messschieber mit hoher IP-Schutzklasse.

- Integrated absolute encoder.
- Entitled to bear the environmental label "Blue Angle".
- Operation w/o battery, through solar technology already starting from 60 lx.
- Voltage reserve at under 60 lx due to super capacitor.



Solar operation starting from 60 lx

## Serie 500

### Super Caliper DIN 862

- IP-67 Coolant Proof: Highly resistant against coolants and lubricants.
- Impact-proof housing.

**ABSOLUTE™**  
Absolute System Patented by MITUTOYO



**IP67**



Also available with round depth gage (Order No. 500-792-1)

| Measuring range mm | No.       | Depth gage | Protection class IP-67 | Data output | L mm | a mm | b mm | c mm | d mm | Mass g |
|--------------------|-----------|------------|------------------------|-------------|------|------|------|------|------|--------|
| 0-150              | 500-772-1 | ●          | ●                      | —           | 233  | 40   | 21,0 | 16,5 | 16   | 180    |
| 0-150              | 500-792-1 | ∅ 1,9 mm   | ●                      | —           | 233  | 40   | 21,0 | 16,5 | 16   | 180    |
| 0-200              | 500-773-1 | ●          | ●                      | —           | 290  | 50   | 24,5 | 20,0 | 16   | 210    |
| 0-150              | 500-778-1 | ●          | ●                      | ●           | 233  | 40   | 21,0 | 16,5 | 16   | 180    |
| 0-200              | 500-779-1 | ●          | ●                      | ●           | 290  | 50   | 24,5 | 20,0 | 16   | 210    |

## Specifications

Accuracy: DIN 862  
Resolution: 0,01 mm  
Illuminance (operation): 60 Lux  
Delivered in soft case, incl. factory certificate

## Optional accessories

### Super Caliper

- No. 05CZA624 Signal cable (1 m)
- No. 05CZA625 Signal cable (2 m)

### Solar Caliper with data output

- No. 959149 Signal cable with data switch (1 m)
- No. 959150 Signal cable with data switch (2 m)
- No. 959143 Hold-Unit (only 500-444 / -445)

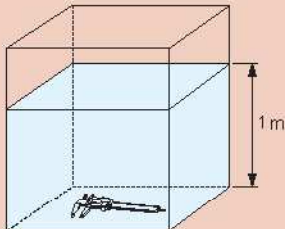
## All types

- No. 050083 Extension for depth measurement (see page 148)
- No. 050084 Extension for depth measurement (see page 148)

## Protection class IP-67

Protection from foreign matters and dust  
Code number 6 = dust-proof

Protection from moisture/humidity  
Code number 7 = Temporary submersion



## Series 500 DIN 862 with data output



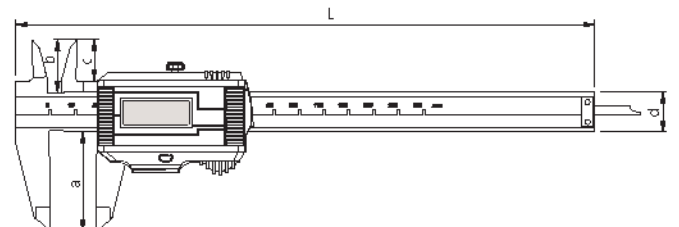
## Series 500 DIN 862 without data output



| Measuring range mm | No.     | Comments          | Data output | L mm | a mm | b mm | c mm | d mm | Mass g |
|--------------------|---------|-------------------|-------------|------|------|------|------|------|--------|
| 0-150              | 500-444 | with drive roller | ●           | 231  | 40   | 21,0 | 16,5 | 16   | 170    |
| 0-200              | 500-445 | with drive roller | ●           | 288  | 50   | 24,5 | 20,0 | 16   | 200    |
| 0-150              | 500-457 | —                 | —           | 231  | 40   | 21,0 | 16,5 | 16   | 150    |
| 0-200              | 500-458 | —                 | —           | 288  | 50   | 24,5 | 20,0 | 16   | 180    |

## Illuminance table in accordance with 'Arbeitsstättenverordnung (Workplace Ordinance)'

| Demands on the visual task | Nominal illuminance in lx | Examples:                                                                           |
|----------------------------|---------------------------|-------------------------------------------------------------------------------------|
| very small                 | 50                        | Storerooms, warehouses                                                              |
| small                      | 100                       | Break rooms, traffic zones                                                          |
| small                      | 150                       | Traffic zones with vehicles, Loading areas                                          |
| moderate                   | 200-300                   | Working at planing benches, Machine tools, large work, Reception counters in hotels |
| medium                     | 500                       | Offices                                                                             |
| high                       | 750-1000                  | Technical drawing, fine mechanics, print shops                                      |
| very high                  | 1500                      | Watchmaker's shops, electronic workshops                                            |
| extraordinary              | 2000                      | Engraving, invisible mending                                                        |



™ Patent numbers see page 480

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Largest Supplier of Electrical and Electronic Components

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