

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

### Specifications

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

### Optional accessories

#### Super Caliper

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

#### Other Solar Caliper with data output

| No.    | Designation                         |
|--------|-------------------------------------|
| 959149 | Signal cable with data switch (1 m) |
| 959150 | Signal cable with data switch (2 m) |
| 959143 | Hold-Unit                           |

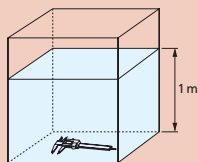
#### All types

| No.    | Designation                                    |
|--------|--|
| 050083 | Extension for depth measurement (see page 140) |
| 050084 | Extension for depth measurement (see page 140) |

#### Protection class IP-67

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

Protection from moisture/humidity  
 Code number 7 = Temporary submersion



### 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  |

## ABSOLUTE DIGIMATIC Solar Caliper

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



**ABSOLUTE™**  
 Absolute System Patented by MITUTOYO



### Series 500 Super Caliper DIN 862

- IP-67 Coolant Proof: Highly resistant against coolants and lubricants.
- Impact-proof housing.
- Super capacitor provides a voltage reserve for illumination of less than 60 Lux.



500-772-1

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

### Series 500 DIN 862 with and without data output

- Already starting from 60 Lux



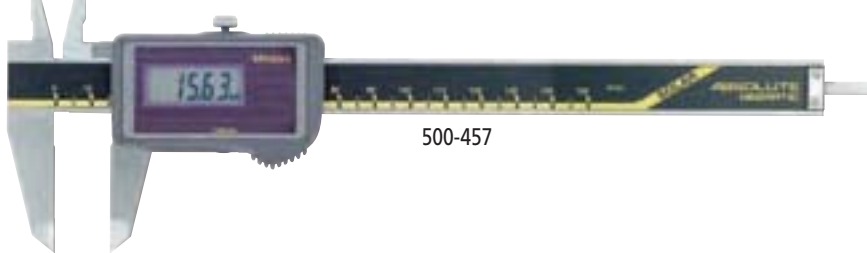
**ABSOLUTE™**  
 Absolute System Patented by MITUTOYO



Factory test certificate

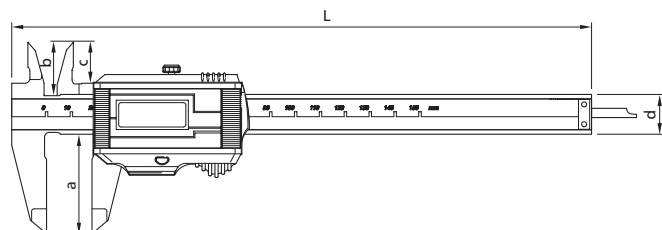


500-444



500-457

| 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    |



™ Patent numbers see page 458