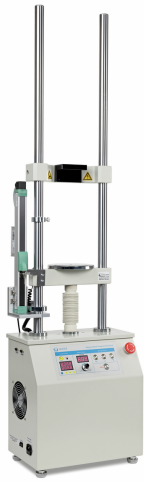


# KERN TVS 10KN100-LD

# KERN

Practical set for force-displacement-measurements in laboratory and industry



## Category

|                  |                |
|------------------|----------------|
| Brand            | Sauter         |
| Product category | Test bench     |
| Product group    | Test stand set |
| Product family   | TVS-LD         |

## Measuring System

|                             |   |
|-----------------------------|---|
| Measurable length [Max]     | 21 cm                                       |
| Tolerance (measured length) | 0,5%  |
| Length measuring device     | Length measuring device with data interface |

## Display

|                                       |               |
|---------------------------------------|---------------|
| Display type                          | LED segments  |
| Display type                          | 7 segment LED |
| Display digit height - smallest digit | 9 mm          |

## Construction

|                                       |   |
|---------------------------------------|---|
| Dimension (W×D×H)                     | 250×400×1550 mm                           |
| Dimensions completely mounted (W×D×H) | 400×250×1550 mm                           |
| Material housing                      | metal, lacquered                          |
| Material display housing              | metal, lacquered                          |
| Type of drive                         | Stepper motor                             |
| Mounting - force dissipation          | Threaded hole M12<br>4 × threaded hole M6 |
| Mounting - force application          | Threaded hole - 1 ×<br>M12, 4 × M6        |
| Generated force [Max]                 | 10 kN                                     |
| Transversal movement speed [Min]      | 1 mm/min                                  |
| Transversal movement speed [Max]      | 200 mm/min                                |

|                                      |          |
|--------------------------------------|----------|
| Transversal movement speed variation | 1%       |
| Guide column(s) distance             | 215 mm   |
| Guide column(s) length               | 113,5 cm |
| Traverse distance [Max]              | 210 mm   |

## Functions

|  |   |
|--|---|
| Speed display  | ✓ |
| Repeat function                                      | ✓ |
| Length measuring - zero setting                      | ✓ |
| Pre-added and pre-reduced length manually adjustable | ✓ |
| Limit switch   | ✓ |

## Power Supply

|   |                          |
|---|--------------------------|
| Supplied power supply                                   | Power supply unit        |
| Plug-in power supply type                               | Built-in power supply    |
| Plug-in power supply / adapter for countries - optional | UK<br>CH                 |
| Input voltage power supply / power [Max]                | 230 V AC, 50 Hz          |
| Input voltage device / power [Max]                      | ~220 V - 240 V AC; 50 Hz |

## Environmental conditions

|                           |        |
|---------------------------|--------|
| Storage temperature [Min] | -10 °C |
| Storage temperature [Max] | 40 °C  |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Packing & Shipping

|                              |                 |
|------------------------------|-----------------|
| Delivery time                | 2 d             |
| Dimensions packaging (W×D×H) | 520×345×1610 mm |
| Net weight                   | 64 kg           |
| Shipping method              | Freight         |
| Net weight approx.           | 65 kg           |
| Gross weight approx.         | 105 kg          |
| Shipping weight              | 102 kg          |

## Pictograms

### STANDARD

