

# KERN FL 10

Universal digital force gauge with graphic-assisted display and integrated load cell



## Article codes, product groups & Status information

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Model article-code    | FL 10                                             |
| Model-Serie           | FL                                                |
| Assortment            | Sauter                                            |
| Product Type          | Force measurement                                 |
| Product group         | Digital force-measuring devices (internal sensor) |
| Product usage type    | Main article                                      |
| EAN code (Model)      | 4045761138841                                     |
| Successor Model       | FL 10-2026e                                       |
| Planned start date    | 2014-1HJ                                          |
| Customs tariff number | 90248000                                          |
| CE Label              | Yes                                               |

## Technical data - Primary

|             |         |
|-------------|---------|
| Max. Force  | 10 N    |
| Readability | 0.005 N |

## Technical data - Construction

|                           |                    |
|---------------------------|--------------------|
| Dimension housing (W×D×H) | 175×75×30 mm       |
| Material housing          | Aluminium          |
| Mounting thread           | External thread M6 |

## Technical data - Display

|                      |        |
|----------------------|--------|
| Display type         | LCD    |
| Display digit height | 8.5 mm |
| Display reverse      | Yes    |

## Technical data - Power supply

|                                |                        |
|--------------------------------|------------------------|
| Power supply                   | Battery & Power supply |
| Battery type                   | NiMH                   |
| Operating time (Display off)   | 10 h                   |
| Operating time (Display on)    | 8 h                    |
| Mains adapter/adaptor included | CH;EURO                |
| Protection Class               | No protection class    |

## Technical data - Measuring system

|                         |                     |
|-------------------------|---------------------|
| Units                   | N                   |
| Tolerance (% from Max.) | 0.2%                |
| Force direction         | Compression;tension |

## Technical data - Functions

|                         |                                                |
|-------------------------|------------------------------------------------|
| Hold-Function           | Yes                                            |
| Peak-Function           | Yes                                            |
| Limit value (Min - Max) | Yes                                            |
| Interface               | Analog (0 +/-2V);RS-232 serienmäßig;USB-Device |

## Technical data - Environmental conditions

|                               |       |
|-------------------------------|-------|
| Maximum operating temperature | 35 °C |
| Minimum storage temperature   | 40 °C |

## Technical data - Packing & Shipping

|                              |               |
|------------------------------|---------------|
| Dimensions packaging (W×D×H) | 263×230×75 mm |
| Gross weight                 | 1.4 kg        |

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|                                             |                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------|
| Net weight                                  | 0.55 kg                                                                               |
| Shipping method                             | Parcel service                                                                        |
| UN number                                   | Ni-MH (UN 3496, Packing Instruction #0, Not Restricted as per Special Provision A199) |
| Packaging component - by weight - cardboard | 871 g                                                                                 |
| Delivery time                               | 1 d                                                                                   |

## Technical data - Counting data

|                                            |     |
|--------------------------------------------|-----|
| Memory                                     | Yes |
| Value memory - number of groups            | 1   |
| Value memory - number of cells (per group) | 500 |

## Optional Services

|                               |         |
|-------------------------------|---------|
| DAkkS calibration - push/pull | 963-361 |
| DAkkS calibration - push only | 963-261 |
| DAkkS calibration - pull only | 963-161 |

## Functions

### Standard



### Option

