# SCE-020 digital display unit

## Device features

- Easily readable digital display:
  - Large
  - Bright
- Programmable
- Unit of measure can be selected
- Adjustable display range
- Input:

  | | |
  |---|---|
  | Current | 0/4 to 20 mA |
  | Voltage | 0 to 10 V |

- Switching output
- Loop-through function:
  - Analogue output
  - Serial interface
- Standard housing 96 x 48 mm







Diverse connections, a flexible display and many outputs are the features of the digital display SCE.

The SCE-020 converts standard analogue signals (in the range 0 to 10 V up to 0/4 to 20 mA) into clearly readable measurement values or units.

The **SCE-020** can be used to easily display every desired sensor. (pressure, temperature, torque, length, etc.)

### Functions

The display can be read from a long distance. The measurement range and the decimal point can be adjusted to fit user requirements so that different measurement values can be displayed.

The accompanying units are mounted on a separate illumination area.

The power supply varies from 11 to 30 VDC.

An adjustable limit value be monitored using the floating switching output.

### Loop-through function

The analogue output or the RS232 serial interface can forward the signal to the appropriate peripheral.

The SCE-020 display unit can be used when different measurement values need to be displayed in a simple and flexible manner.





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# SCE-020 digital display unit

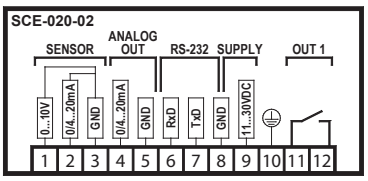
## Technical data

| | SCE-020-2 |
|---|---|
| Input | 0...20 mA, 4...20 mA or 0...10 V |
| Input resistance | 0...20 mA = 150 Ω, 4...20 mA = 150 Ω, 0...10 V = 67 KΩ |
| Analogue output | 0...20 mA, 4...20 mA |
| Analogue output load | ≤ 500 Ω |
| Interface | RS-232C |
| Limit value | Floating CO contact<br>250 V/5 A max. |

| **Input** | |
|---|---|
| Measurement error | ± 0.2 % of the display<br>°± 1 digit |
| Measurement rate | 5 ms |
| | Threshold query every 5 ms |
| Measuring range | Freely selectable (program-mable) |
| **Display** | |
| Display | 4-digit 7-segment LED |
| Display range | -999 to 9999 |
| Digit height | 13 mm |
| Decimal point | Freely programmable |
| Dimension display | Selectable, by attaching a dimensioning label to the ap-propriate illumination area |
| **Ambient conditions** | |
| Operating temperature range | 0...+60 °C |
| Storage temperature range | -25...+80 °C |
| Relative humidity | < 80 % |
| Protection degree | IP44 |

| **Power supply** | |
|---|---|
| Auxiliary Power | 11...30 VDC |
| Current consumption | Approx. 100 mA |
| **Housing** | |
| Material | PC ABS black<br>Self-extinguishing according to UL94V0,<br>For table and console instal-lation |
| Front dimensions | 96 x 48 mm |
| Installation depth | 131 mm |
| Connection | 12 -pole terminal block with wire protection, max. 1.5 $mm^2$ |
| Mounting position | As required |
| Weight | Approx. 200 g |

## Pin assignment





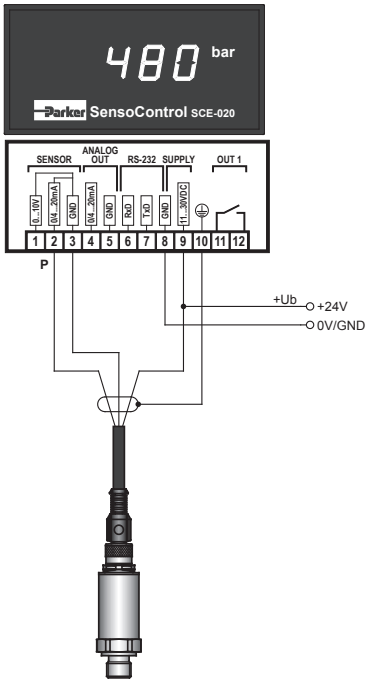



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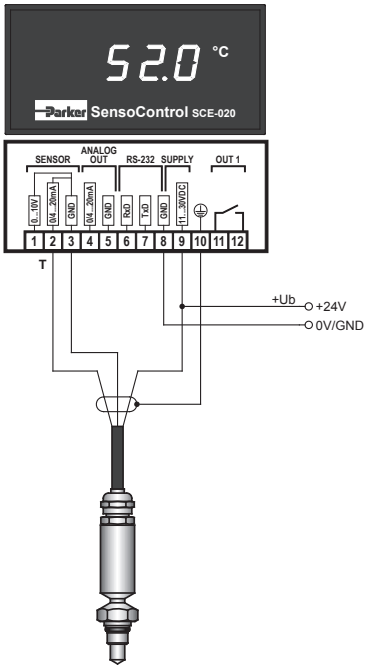
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## Connection examples (0/4 to 20 mA)

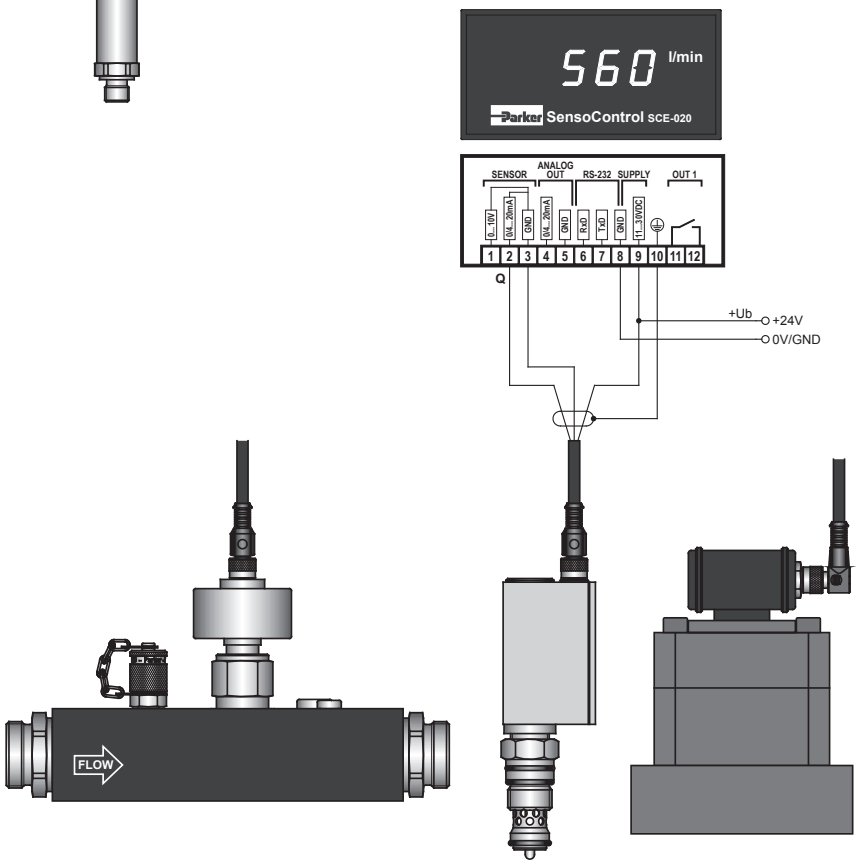
**SCE-020-02**
Pressure sensor SCP




**SCE-020-02**
Temperature sensor SCT




**SCE-020-02**
Flow sensor

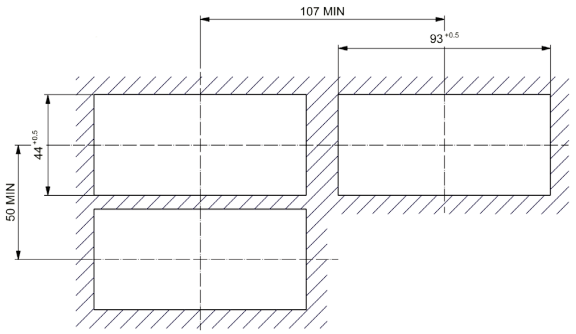


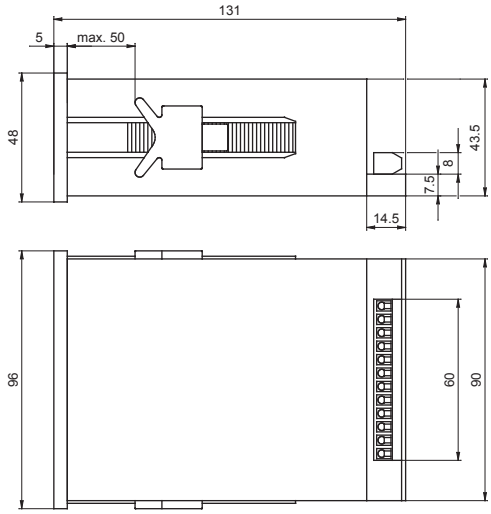





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# SCE-020 digital display unit




## Order code

| | |
|---|---|
| **SCE-020 Input 0/4 to 20 mA/0 to 10 V**<br>+ 1 switching output<br>+ RS232C serial interface | **SCE-020-02** |

**Accessories:**

| | |
|---|---|
| Data cable SCE – PC | **SCK-300-02-31** |





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