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.

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

SCE-020 digital display unit

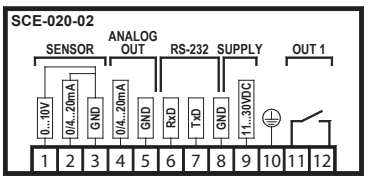
Technical data

	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 250 V/5 A max.

Input	
Measurement error	± 0.2 % of the display °± 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 Self-extinguishing according to UL94V0, 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

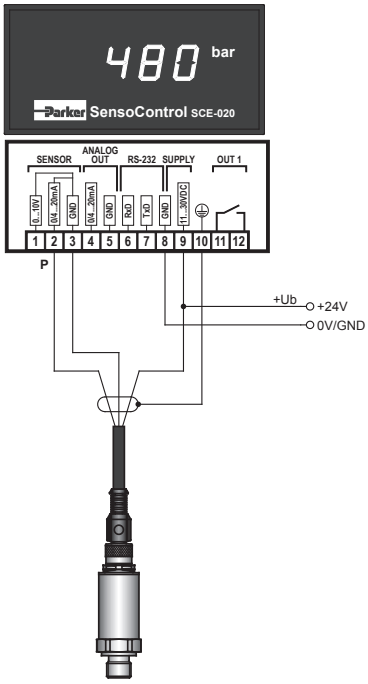


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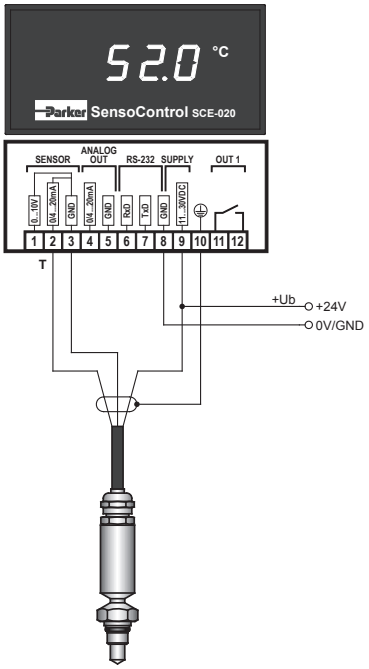
SCE-020 digital display unit

Connection examples (0/4 to 20 mA)

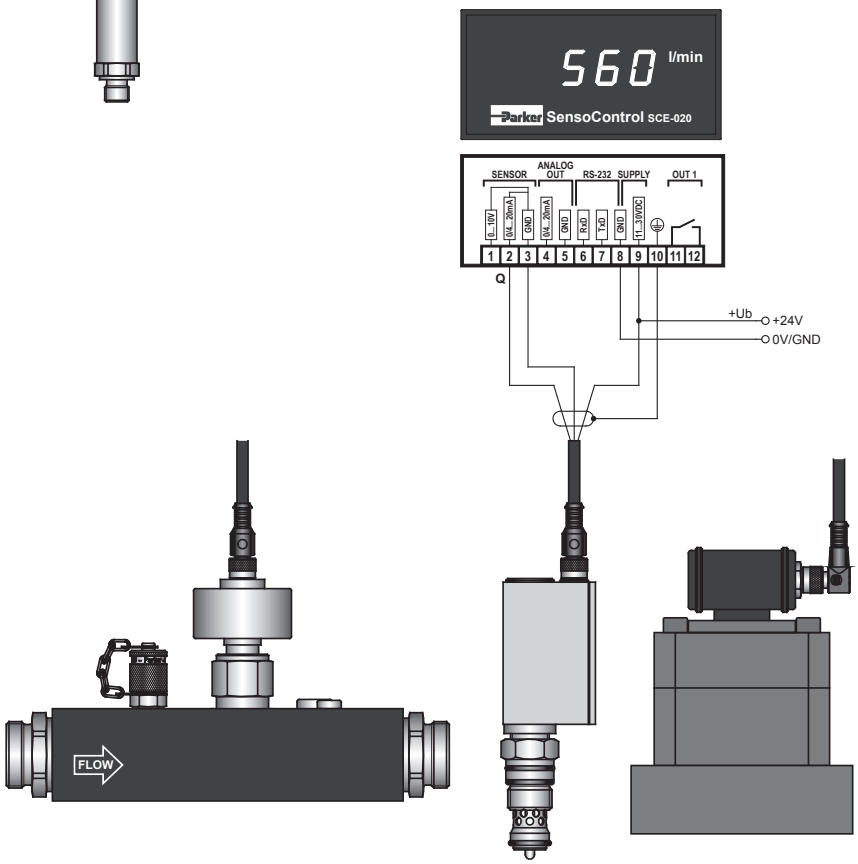
SCE-020-02
Pressure sensor SCP



SCE-020-02
Temperature sensor SCT

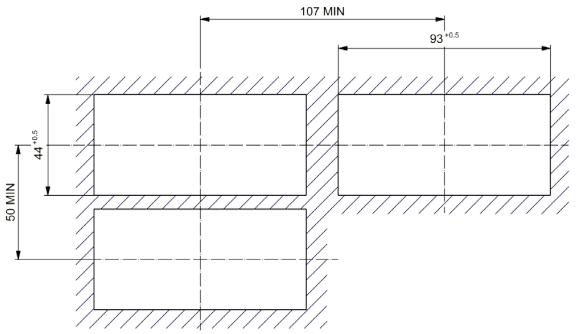


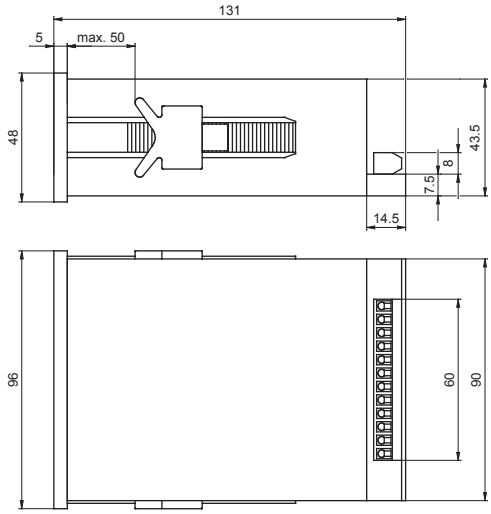
SCE-020-02
Flow sensor



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Order code

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

Accessories:

Data cable SCE – PC	**SCK-300-02-31**

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