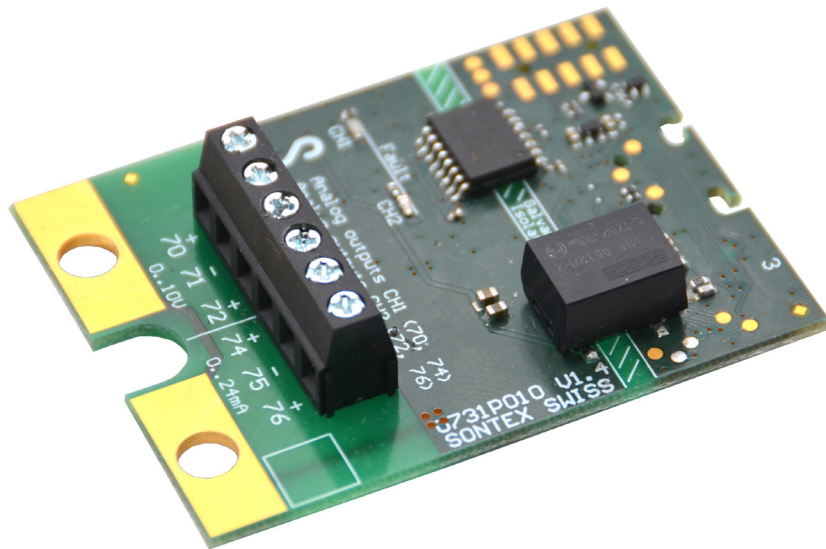


Analog Output Module

Retrofittable Analog Output module for the SC5 Calculator



Retrofittable Analog Output Module

Application

With the optional analog output module instantaneous values can be made available as analog output signals e.g. for building management -, monitoring or control systems. One analog module can make available 2 of the following instantaneous values as galvanically separated analog signal (per channel):

- Flow
- Power
- Supply flow temperature
- Return flow temperature
- Delta temperature

Features

- The Supercal 5 calculator can be equipped with maximally two optional modules. The calculator recognizes each installed module automatically.
- The analog module is a plug-in unit and consists of a printed circuit board with two connecting terminals as well as cable strain relief and is supplied with a fixing screw

Installation

In combination with an optional analog output module, the Supercal 5 requires mains supply .

To mount the analog output module, the upper part of the housing must be removed. This requires the removal of the user seals. The installation must be carried out by an authorized person.

The wiring must be carried out according to the wiring diagram in the datasheet. Secure the cables with the strain relief. Pull the cables through the cable sleeves of the Supercal 5. We recommend twisting the connections and providing them with cable lugs. This prevents the danger of short circuits.

The analogue voltage outputs are freely programmable.

The two red LEDs only light up if the current does not correspond to the setpoint of the analogue signal, e.g. if the circuit is open. In voltage mode the LEDs are deactivated.

The following cables are recommended for the signal line:
U72 4x0.8 mm² or U72M 4x0.6 mm²

Operating

Superprog Windows supports the initial setup of the module and its customization.

Further information on the operation of the software and installation is stored under the path "Help", "User manual" and "Help", "Error description".

The Supercal 5 calculator automatically detects the inserted optional communication modules, then the module is already up and running.

Safety references

In order to minimize dangers from electrostatic discharges, before you touch the printed circuit board, you should touch a grounded part (e.g. a heating pipe). When connecting you should pay attention to the correct order of the connecting cable. The wires are not exchangeable. The mounting is to be made considering the enclosed installation instruction.

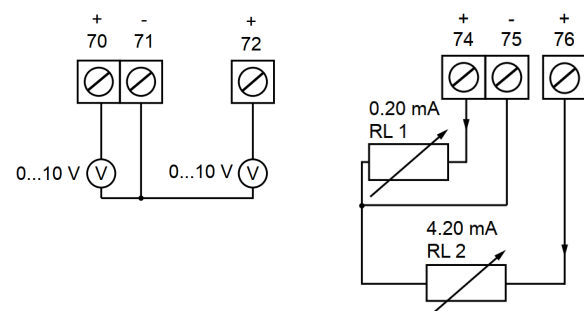
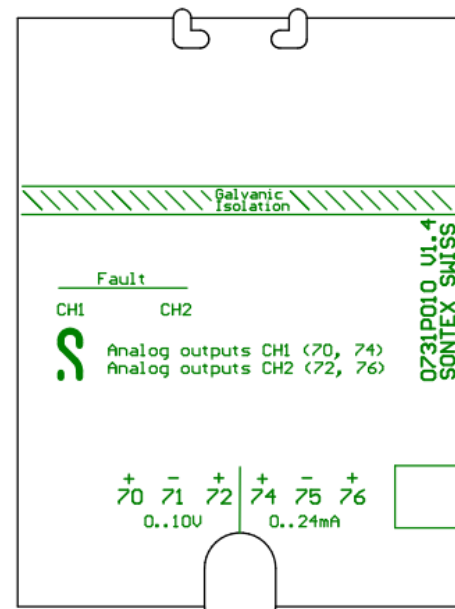
Operation maintenance

Calibration relevant safety seal as well as the user seals may not be damaged or removed. Otherwise the warranty of the equipment is void. User seals may only be removed by authorized persons for service purposes and to be afterwards renewed

Technical Data

Designation	Description
Analog signal	0...20 mA ; 4...20 mA ; 0...24mA ; 4...24mA
Voltage signal	0...10 VDC ; 2...10 VDC
Load	RL (max.) = 350 Ω at 12 VDC
Disbandment	16 bit (in overflow 15 bit)
Maximum transducer error	0.02 % of final value
Default setting value	Output inactivated

Connections / dimensions



CE Conformity

according to Directive MID 2014/32/EU
according to RED 2014/53/EU

Technical Support

For technical support, please contact your local Sontex agent or Sontex SA directly.

Sontex Hotline

support@sontex.ch, +41 32 488 30 04

Specifications are subject to change without notice.