

**Model Number****UC-PROG1**

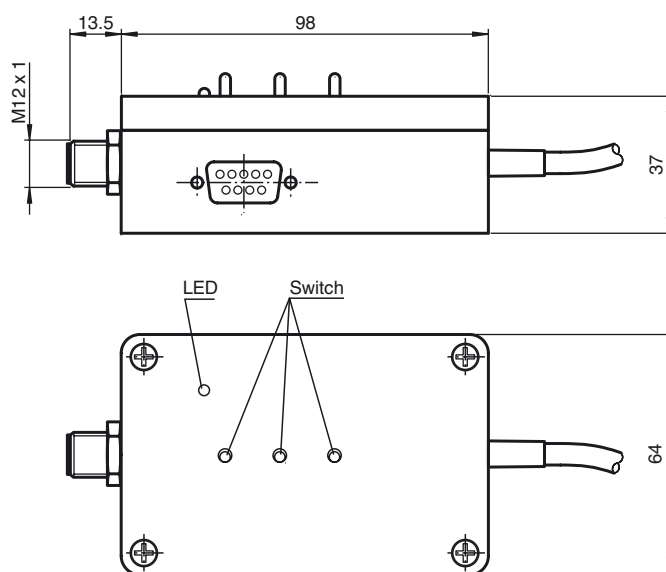
Programming adapter

Features

- RS 232 interface
- Simple insertion in the sensor connection lead

Accessories**USB-0,8M-PVC ABG-SUBD9**

Interface converter USB/RS 232

PACTware 4.X**Microsoft .NET****Dimensions****Technical data****Electrical specifications**

Operating voltage	U_B	10 ... 30 V DC, via sensor supply
No-load supply current	I_0	≤ 25 mA

Interface

Interface type	RS 232, max. 9600 Bit/s
----------------	-------------------------

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Protection degree	IP20
Connection	9-pin Sub-D socket M12 x 1 connector, 5-pin Cable socket, M12, 5-pin, PVC cable
Material	
Housing	Polycarbonate
Mass	260 g
Cable length	2 m

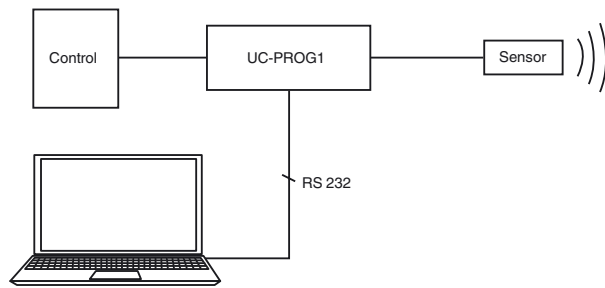
Description

The programming device enables easy programming of sensors connected via the RS 232 interface of a PC. By means of that kind of programming many of the sensors parameters can be set to configure the sensor optimal for your application. For programming, you can use a simple terminal program and do the programming on the command level. The description of the sensor commands can be found for download on the product page of the sensor on the Internet <http://www.pepperl-fuchs.com>. Alternatively, you can perform the programming via PACTware. PACTware and the sensor-specific DTMs can also be found for download on the product page of the sensor on the Internet <http://www.pepperl-fuchs.com>.

The supply of the programming device and the connected sensor is effected by the control circuit or a connected power supply on the control side (see diagram below).

Connecting the programming device

1. Connect the sensor to a power supply, your control or your process according to the electrical connection diagram at the sensors data sheet.
2. Check the sensors correct funktion.
3. Switch off the power supply.
4. Now disconnect the sensor and insert the programming device according to the circuit diagram below.
5. Connect the communication port of the programming device to a free RS 232-interface port of your computer. Use a standard RS 232 interface cable with a male SUB-D-9 connector at one and a female SUB-D-9 connector at the opposite end. The signal wires RxD and TxD must not be crossed.



Sensor programming

1. Turn the switch „connect to“ into position „comm“.
- Note:** In this switch position the sensor signals on pins 4 and 5 are disconnected from the control.
2. Please see the description of the connected sensor for the required switch settings „output load“ and „output logic“.
3. Switch the power supply on. The sensor starts in standby mode.
4. Send the first communication request within the first 25 seconds. If the communication request is sent too late the sensor keeps in the standby mode. Communication isn't possible, then.
5. Now perform the sensor programming.
6. The sensor turns to normal operation mode after the communication end command is sent.
7. Turn the switch „connect to“ into position „process“. The sensor signals on pins 4 and 5 are now connected to the control. All sensor functions can be tested, now.

Removing the programming device

1. Switch the power supply off.
2. Remove the programming device from the sensor circuit.
3. Re-connect the sensor as usual.
4. The programmed parameters keep non-volatile stored in the sensor until a re-programming is performed.