



PROCESS CONTROL SYSTEM PCS

FLUX PROCESS CONTROL SYSTEM PCS – THE INTELLIGENT SYSTEM FOR THE CONTROL OF FILLING OPERATIONS

With the new Process Control System PCS FLUX is offering – in conjunction with the liquid meters type FMC and FMO – a complete control system for computerized liquid handling operations.

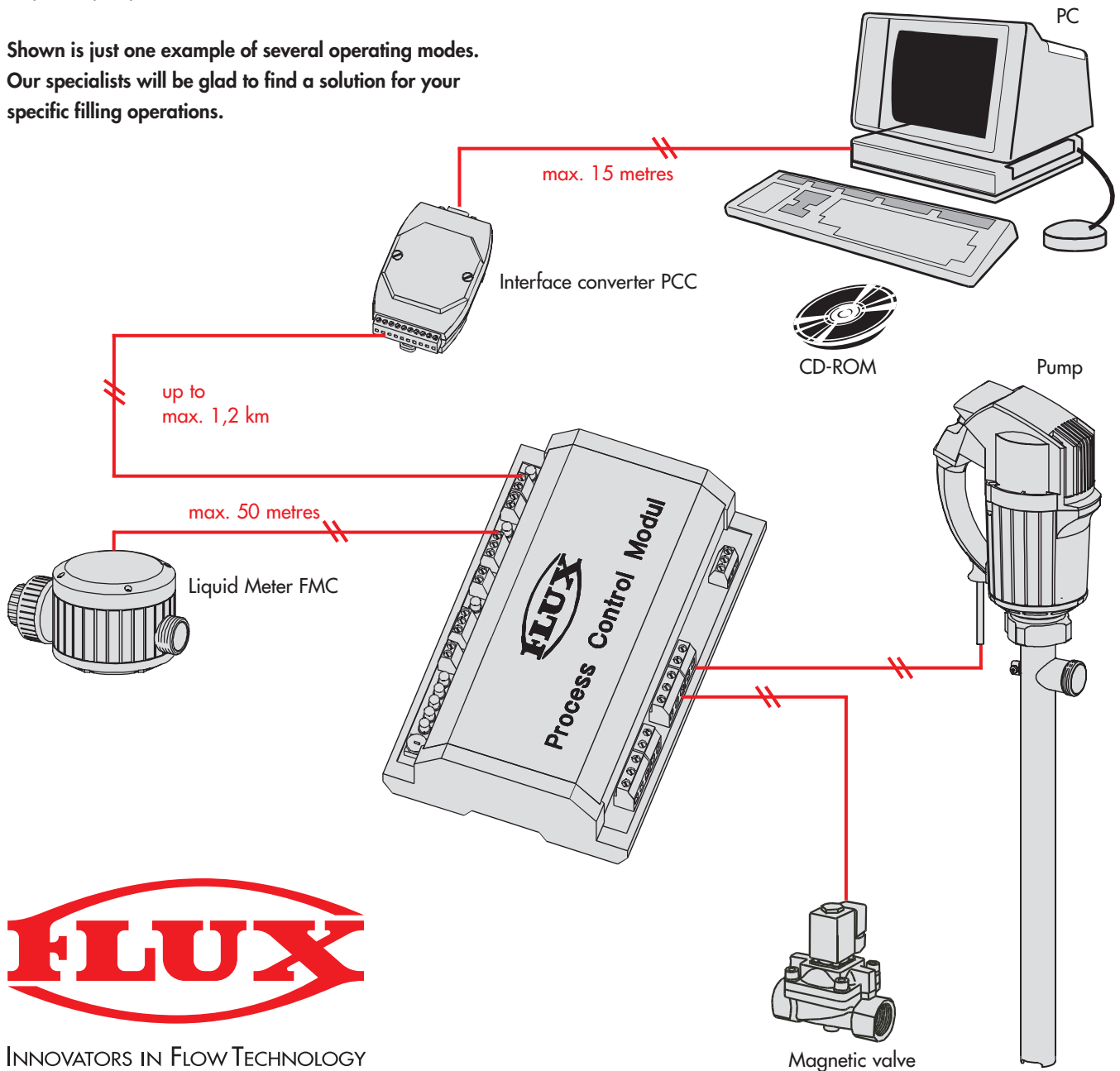
The Process Control Module PCM together with the complementary software allows the use of any PC as a central control unit, without having to interfere into its hardware. All that is required is a free serial interface RS 232 on the PC as well as an interface converter PCC.

The PCM module accepts digital signals from the Reed-relay of the liquid meter, processing the signals to provide controlled outputs to pumps and valves.

Shown is just one example of several operating modes. Our specialists will be glad to find a solution for your specific filling operations.

Special advantages:

- direct control of valves or pumps via a PC
- up to 16 PCM modules can be networked to a single PC
- various operating modes for different filling applications
- logging and recording of all meter and control data
- maximum distance of 1200 metres between the PC and the PCM module, high security in data transmission by an interface RS 485
- easy data transfer via a standard two-way cable



INNOVATORS IN FLOW TECHNOLOGY

TECHNICAL DATA

FLUX PROCESS CONTROL SYSTEM PCS COMPLETE, CONSISTING OF:

FLUX Process Control Module PCM

230 V, 50/60 Hz.

max. 2 counters per module, 2 potential-free relays per counter to control up to 4 output devices (230 VAC, 8 A; 24 VAC/VDC, 8 A; 12 VDC, 8 A).

Serial interface RS 485 with screw terminals.

Sensor input (1 per counter):
potential-free mechanical contact (relay, conventional or Reed-type)
electronic counter (Hall effect sensor, capacity switch).

Frequency on sensor input: 0–200 Hz

Relay connections: screw terminals for cable section 1,5 mm²

Temperature range: –20 °C to +70 °C

Easy mounting on DIN-bar.

Display of status via LED.

Dimensions: 50 x 128 x 192 mm

Software on CD-ROM

System requirements:

Microsoft Windows 98 or higher.

Pentium Processor or higher.

32 MB RAM

Free harddisk space at least 6 MB.

Free interface RS 232.

CD-ROM-drive (for installation only).

FLUX Interface Converter PCC

RS 232 to RS 485 converter.

Galvanic separation up to 3000 VDC.

Automatic setting of Baudrate and data transmission parameters.

Supply voltage 10 to 30 VDC.

Temperature range: –10 °C to +70 °C.

Easy mounting on DIN-bar.

Including connecting cable DB 9 to PC, 2 m long.

Mains supply unit for PCC interface converter

230 V, 50 Hz.

Output 12 VDC, 600 mA.

Including power supply cable.

Connecting cable, 5m long (PCM module – PCC interface converter)

two-way, twisted pair cable

Part No.

A10 00 100



Individual component parts on request.



All technical data of FLUX liquid meters type FMC and FMO are shown in the relative catalogues which are available on request.



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WORLD OF PUMPS – PUMPS FOR THE WORLD

All around the globe, FLUX is synonymous with top standards in pump technology. Whether it is barrel pumps, high viscosity liquid pumps, vertical centrifugal immersion pumps, air-operated diaphragm pumps, liquid meters, mixers or top class accessories – FLUX with its complete and comprehensive range is always the one to address to. Benefit from our competence. We look forward to hearing from you!



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