

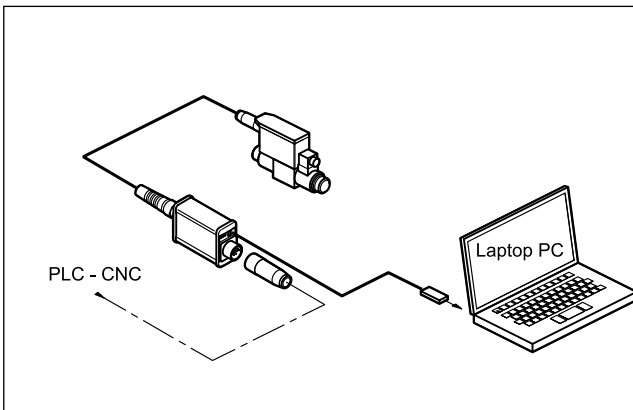


# LINPC-USB\*

## TEST DEVICES FOR PROPORTIONAL VALVES WITH INTEGRATED ELECTRONICS

### SERIES 30

#### OPERATING PRINCIPLE

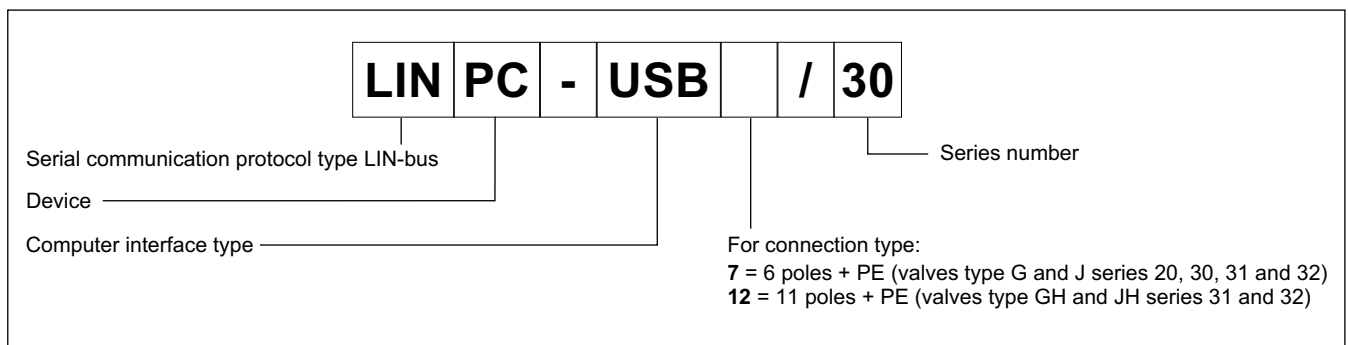


- The kit contains a test device with embedded cable to connect on the valve side, and a USB cable for PC connection. The dedicated software is available for download from our web site.
- The devices are suitable for troubleshooting and functional testing of Duplomatic proportional valves for open loop (type G, GH) and closed loop (type J, JH), series 20, 30 and 31.
- The software allows to check settings, diagnostics and permits to modify the standard parameter setting made in factory, adapting it to your system.
- No additional power supply is required: the devices use the supply source coming from the system cable.

#### TECHNICAL CHARACTERISTICS

Power supply	V DC	24 (19 ÷ 30)
Current consumption	mA	50
Valve side connection:	LINPC-USB7 LINPC-USB12	6 poles + PE type MIL-C-5015-G (DIN 43563) 11 poles + PE (DIN 43651)
PC side connection		USB 2.0 cable
Electromagnetic compatibility (EMC)		according to 2014/30/EU EN 61000-6-4 (emissions) EN 61000-6-2 (immunity)
Housing dimensions	mm	104x63x38 + 2000 outgoing cable
Operating temperature range	°C	-20 / +60
Protection degree		IP 20

#### 1 - IDENTIFICATION CODE





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### 2 - DESCRIPTION

The device acts as interface between the PC and the valve on-board electronics. It allows the customization of the parameters via software and diagnostics and troubleshooting, by means of the internal monitors available in the software (EBC for series 30, 31 and 32, EWMPC for series 20).

The kit contains:

- test device with embedded cable to be connected to the valve
- USB Cable 2.0 A - Male to Micro B (3 m).



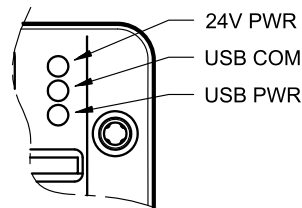
**The USB cable cannot be longer than 3 m, in order to maintain the communication quality.**

Software and customization Guide are available for download at [www.duplomatic.com](http://www.duplomatic.com), 'Documents & downloads' page.

The EBC software is compliant with Windows OS 7, 8 and 10.

More details on device operation are available in the Software Guide.

### 3 - LED



function	description
24V PWR (24V powered)	Main power supply 24V green indicates the device is powered by 24 V source coming from the system.
USB COM	USB communication red = [TX] transmission green = [RX] receiving
USB PWR (USB powered)	USB supply yellow indicates that the USB section is powered.

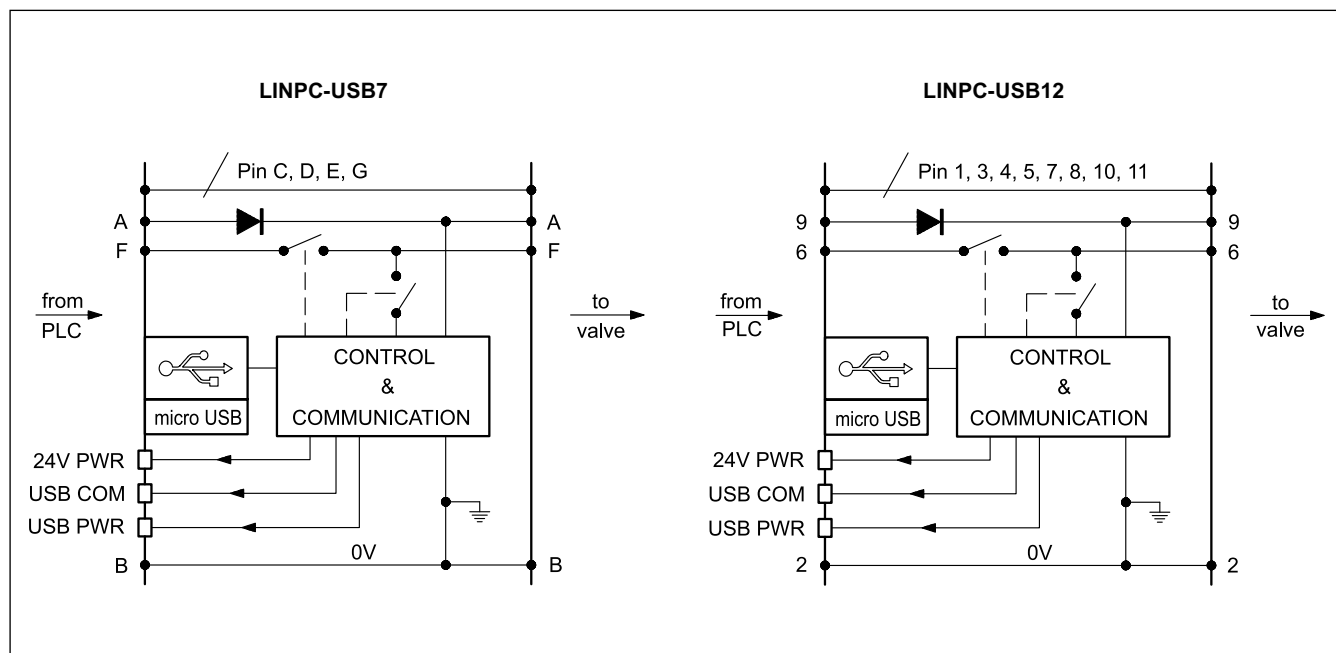


**WARNING! Connecting the device will cut off the monitor signal from the valve (pin F in LINPC-USB7, pin 6 in LINPC-USB12) in order to allow the Linbus communication. This behaviour can be managed via software.**



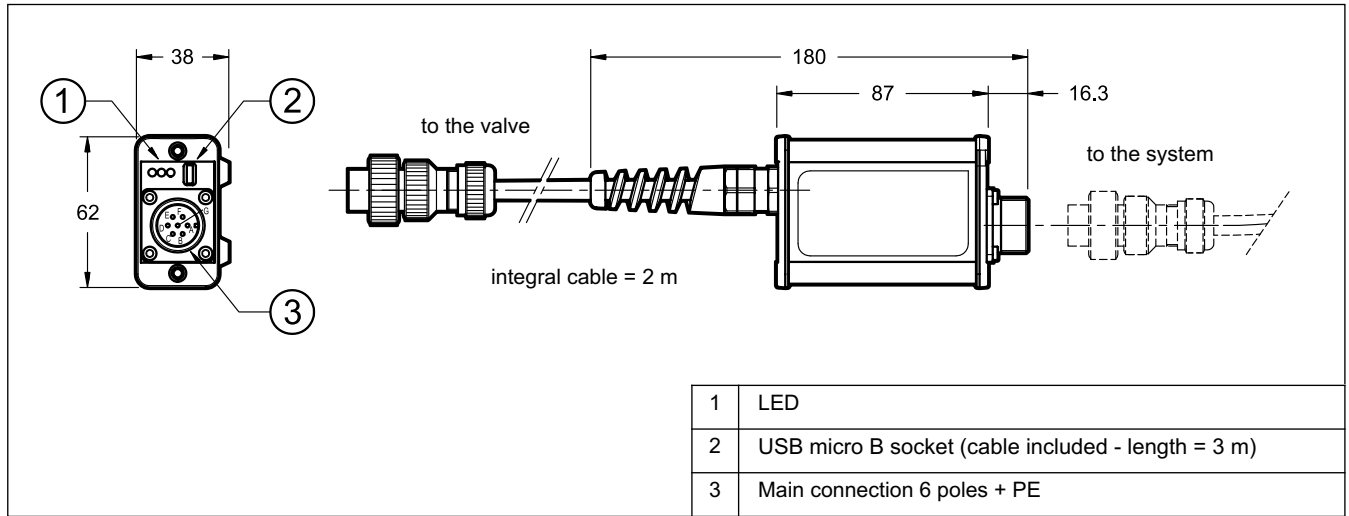
**WARNING! Please note that the USB port is not galvanically isolated.**

### 4 - BLOCK DIAGRAMS



## 5 - OVERALL DIMENSIONS

### 5.1 - LINPC-USB7



### 5.2 - LINPC-USB12

