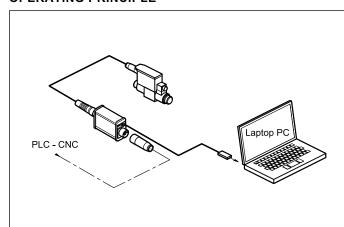




LINPC-USB

TEST DEVICE FOR PROPORTIONAL VALVES WITH INTEGRATED ELECTRONICS SERIES 30

OPERATING PRINCIPLE

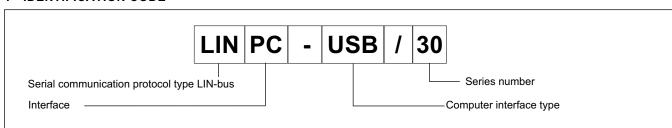


- The kit contains a test device with embedded connection cable 7 pin and a USB cable for connection to the PC. The dedicated software are available for download from our web site.
- The device is suitable for troubleshooting and functional testing of Duplomatic proportional valves with LIN-bus interface, for open loop (type G) and closed loop (type J), series 20, 30 and 31.
- The software allow the check of settings, display the diagnostic and permit to make changes on the standard parameter setting made in factory, adapting it to your system.
- No additional power supply is required: the device uses the supply source from the 7 pin system cable.

TECHNICAL CHARACTERISTICS

Power supply	v cc	24 (19 ÷ 30)
Current consumption	mA	50
Connector to the valve		7 - pin MIL-C-5015-G (DIN 43563)
Connection cable		USB 2.0
Electromagnetic compatibility (EMC):		according to 2004/108/EC 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



89 850/116 ED 1/2



LINPC-USB SERIES 30

2 - DESCRIPTION

The device acts as interface between the PC and the valve onboard 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, EWMPC for series 20).

The kit contains:

- test device with integrated 7-pin cable to be connected to the valve
- USB Cable 2.0 A Male to Micro B (3 m).



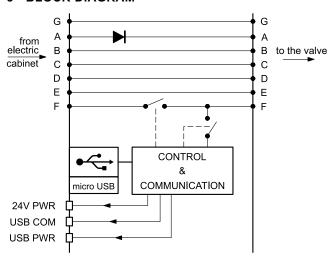
The USB cable cannot be longer than 3 m, in order to maintain the communication quality.

Software and customization Guide are available for download at www.duplomatic.com, 'Documents & downloads'.

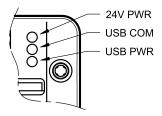
The EBC software is compliant with Windows OS 7, 8 and 10.

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

3 - BLOCK DIAGRAM



4 - LED

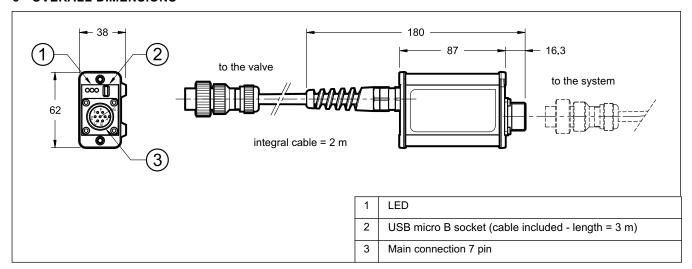


function	description	
24V PWR (24V powered)	Main power supply via 24V (pin A) green LED indicates the device is powered by 24 V source on pin A of the 7-pin connector.	
USB COM	USB communication red = [TX] transmission green = [RX] receiving	
USB PWR (USB powered)	USB supply yellow indicates that the USB section is powered.	



WARNING! Connecting the device will cut off the pin F monitor signal from the valve, in order to allow the LINbus communication. This behaviour can be managed via software.

5 - OVERALL DIMENSIONS





DUPLOMATIC OLEODINAMICA S.p.A.

20015 PARABIAGO (MI) • Via M. Re Depaolini 24

Tel. +39 0331.895.111

Fax +39 0331.895.339

 $www.duplomatic.com \bullet e\text{-mail: sales.exp@duplomatic.com}$