

PRODUCT DATA

Remote Control — ZH0630
for PULSE, the Multi-analyzer System



ZH 0630 is a simple, handy unit for remote control of PULSE LabShop software. The unit allows full measurement control including autorange, measurement start, stop, proceed, reset and generator on/off.

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ZH 0630

Brüel & Kjær 

Uses and Features

USES ○ Remote control of a PC for measurements made using PULSE, the Multi-analyzer System Type 3560

FEATURES ○ Simple, menu-controlled functions
○ LCD with backlighting
○ Customisation of functionality

The Remote Control

Remote Control ZH0630 for PULSE is supplied with a standard Visual Basic program. The program is supplied along with its source code, allowing you to customise it to your own requirements.

The remote control connects directly to the PC through a standard RS-232 port and can be used with COM1 – COM4. The com port settings like baud rate, no. of bits and stop bit are set up by the program, making it very easy to use. You only have to select the com port number to which you have connected the remote control to make it work.

The Visual Basic program is provided on the same CD-ROM as PULSE LabShop (version 4.0 or later) along with a test program that allows you to test all functions of the control.

The remote control consists of 4 buttons, a 16 × 2 line LCD, and 3 LEDs to indicate status or errors. A simple menu allows you to control all important PULSE measurement functions – Autorange, Generator On/off, Measurement Start, Proceed, Stop and Reset, Manual Triggers 1 to 3 and Save Measurement. The source code provided for the remote control and its test program allows you to change these functions according to your own requirements and to test the changes made.

The remote control can be powered from a 12 V battery or via a mains adaptor and is connected with the DC cable provided. Reversing the polarity of the connection has no effect on the operation of the remote control.

Documentation After installing PULSE LabShop, you will find full documentation in the PULSE LabShop program group. This includes an Installation Guide and information on use in the User Manual.

Power Requirements The maximum current drawn by the remote control is 200 mA at 12 V. If your measurement setup requires a lower power consumption, you can switch off the red, green and yellow LEDs and the backlighting. This will save approximately 100 mA.

Cable The remote control is supplied with a 5 m cable AO 0549. A 15 m cable is also available under order number AO 0568.

Compliance with Standards

CE	CE-mark indicates compliance with: EMC Directive and Low Voltage Directive.
Safety	EN 61010-1 and IEC 1010-1: Safety requirements for electrical equipment for measurement, control and laboratory use.
EMC Emission	EN 50081-1: Generic emission standard. Part 1: Residential, commercial and light industry. EN 50081-2: Generic emission standard. Part 2: Industrial environment. CISPR 22: Radio disturbance characteristics of information technology equipment. Class B Limits. FCC Rules, Part 15: Complies with the limits for a Class B digital device.
EMC Immunity	EN 50082-1: Generic immunity standard. Part 1: Residential, commercial and light industry. EN 50082-2: Generic immunity standard. Part 2: Industrial environment. Note 1: The above is guaranteed using accessories listed in this Product Data sheet only.
Temperature	IEC 68-2-1 & IEC 68-2-2: Environmental Testing. Cold and Dry Heat. Operating Temperature: -10 to +55 °C (14 to 131 °F) Storage Temperature: -25 to +70 °C (-13 to 158 °F) IEC 68-2-14: Change of Temperature: -10 to +55 °C (14 to 131 °F) (2 cycles, 1 °C/min.)
Humidity	IEC 68-2-3: Damp Heat: 90% RH (non-condensing at 40 °C (104 °F))
Mechanical	Operating (peak values): MIL-STD-810C: Vibration 12.7 mm, 15 m/s ² , 10-500 Hz Non-operating (peak values): IEC 68-2-6: Vibration: 0.3 mm, 20 m/s ² , 10-500 Hz IEC 68-2-27: Shock: 1000 m/s ² IEC 68-2-29: Bump: 3000 bumps at 400 m/s ²
Enclosure	IEC 529 (1989): Protection provided by enclosures: IP 42

Specifications ZH0630

<p>Power</p> <p>Power Supply: 12 V DC from battery or via transformer Max. Current: 200mA at 12 V</p>	<p>Controls</p> <p>ZH0630 controls the following PULSE functions: Autorange, Generator On/off, Measurement Start, Proceed, Stop and Reset, Manual Triggers 1 to 3, Save Measurement In addition, backlighting of the control's LCD can be switched on and off</p>
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Ordering Information

<p>ZH 0630: Remote Control Includes the following accessories</p> <p>ZG0411: Transformer for use in Europe ZG0412: Transformer for use in UK or ZG0413: Transformer for use in US</p> <p>AO 0550: Cable for connection to a 12 V (car) battery AO 0549: Cable for ZH0630, length 5 m</p>	<p>Type 7700 version 4.0 or later is required for ZH0630</p> <p>Optional Accessories</p> <p>AO 0568: Cable for ZH0630, length 15 m</p>
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Brüel & Kjær reserves the right to change specifications and accessories without notice

