

Digital output box 1000570

Instruction sheet

11/15 Hh



1. Safety instructions

- Connect the digital output box to the 3B NET/og™ “Digital Outputs” socket only. The wiring is not suitable for connection to the digital inputs.

2. Scope of delivery

- 1 Digital output box
- 1 Mini DIN connecting lead 8-pin, 60 cm length

3. Description

The digital output box fans out the four 3B NET/og™ digital interface outputs A/B/C/D to eight 4-mm safety sockets.

The digital signal can be read from the red sockets as a TTL output. The blue sockets are connected to ground.

4. Technical data

Output signal:	5 V TTL level, short-circuit-protected
Each digital output is fanned out to	2 x TTL inputs on the digital output box

5. Operation

- Connect the digital output box to the “Digital Outputs” socket of the 3B NET/og™ equipment using the included mini DIN lead.

The digital signal can be linked to various events in the 3B NET/ab™ software, or it can be selected directly.

6. Sample experiment

High and low control signals relative to voltage levels at analog inputs A and B that are adjusted to provide an arbitrary comparator threshold.

Construction of a binary weighted digital-to-analogue converter (DAC) with an R-2R ladder resistor ladder.

Programmable logic control using 4-bit programmable logic (PLC), e.g. for a stepper motor