RESOL®
CONTROL TECHNOLOGY

HE-Check

Testing device for PWM and 0-10 V signals

With the HE-Check, the function of the pump and the signals of the controller can be checked quickly and easily.

- Measures and generates PWM signals in a frequency range from 40 to 2000 Hz
- Intuitive operating concept
- Ergonomic design
- Easy fault diagnostics
- Including a set of measuring and signal cables for different pumps and controllers
- Including a practical storage bag

TECHNICAL DATA

Inputs: PWM / 0-10 V
Outputs: PWM / 0-10 V
PWM frequency: 40 … 2000 Hz
Measuring range: 0 … 15 V
Power supply: 3 type AAA batteries (included), typical battery life: 2 years
Functions: measuring and generating a PWM or 0-10 V signal
Housing: plastic, ABS and TPE
Indication / Display: full graphic display
Operation: 6 buttons
Ingress protection: IP 54 / EN 60529
Safety: 18 V class I / EN 61010
Ambient temperature: 0 … 40 °C
Degree of pollution: 2
Dimensions: 120 x 65 x 27 mm

HE-Check – Calibration service

Calibration of your RESOL HE-Check device will take 3 working days. The device will be completely calibrated and set back to factory settings.
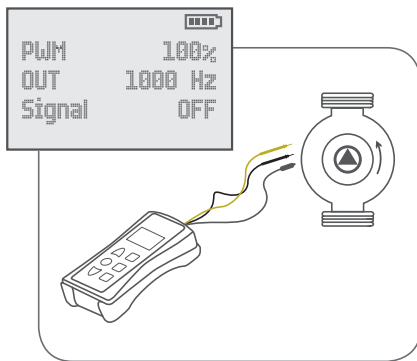
Advantages and service offer at a glance

- Complete calibration of the device
- Traceable calibration according to ISO 9001
- Software updates free of charge
- Battery change

Article no.	Article	Price bracket
280 016 50	HE-Check – Testing device for PWM and 0-10 V signals	B
112 122 02	HE-Check – Calibration service	C

```
                    [====]
PWM          100%
OUT      1000 Hz
Signal       OFF
```

Simulating PWM / 0-10 V signals

- Suitable for all devices with PWM / 0-10 V inputs
- Generating speed control signals from 0-100 %
- Adjustable frequency and voltage
- Checking pump function

```
                    [====]
PWM           60%
IN       1000 Hz
```
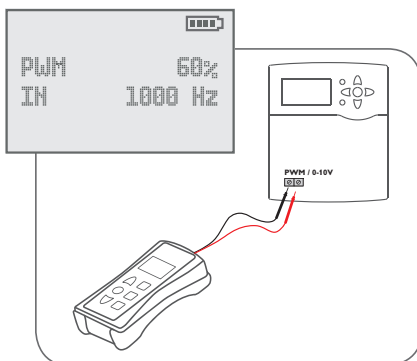
PWM / 0-10V

Testing PWM / 0-10 V signals

- Suitable for all devices with PWM / 0-10 V outputs
- Precise measuring of:
  - PWM voltage
  - PWM frequency
- Easy fault diagnostics

```
                    [====]
PWM   OUT   100%
      Signal OFF
PWM   IN     60%
  Flow rate: 1000 l/h
```
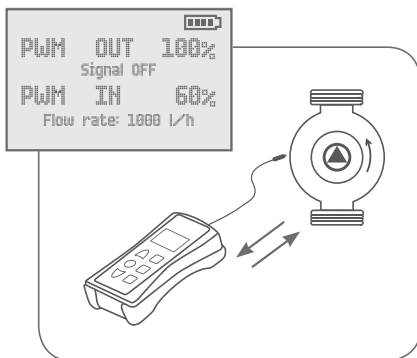
Bidirectional pumps

- Simultaneous generating and measuring of PWM signals
- Flow rate indication
- Pump status display:
  - No PWM signal
  - Standby
  - Normal operation
  - Error