Datasheet

PWM Signal Generator
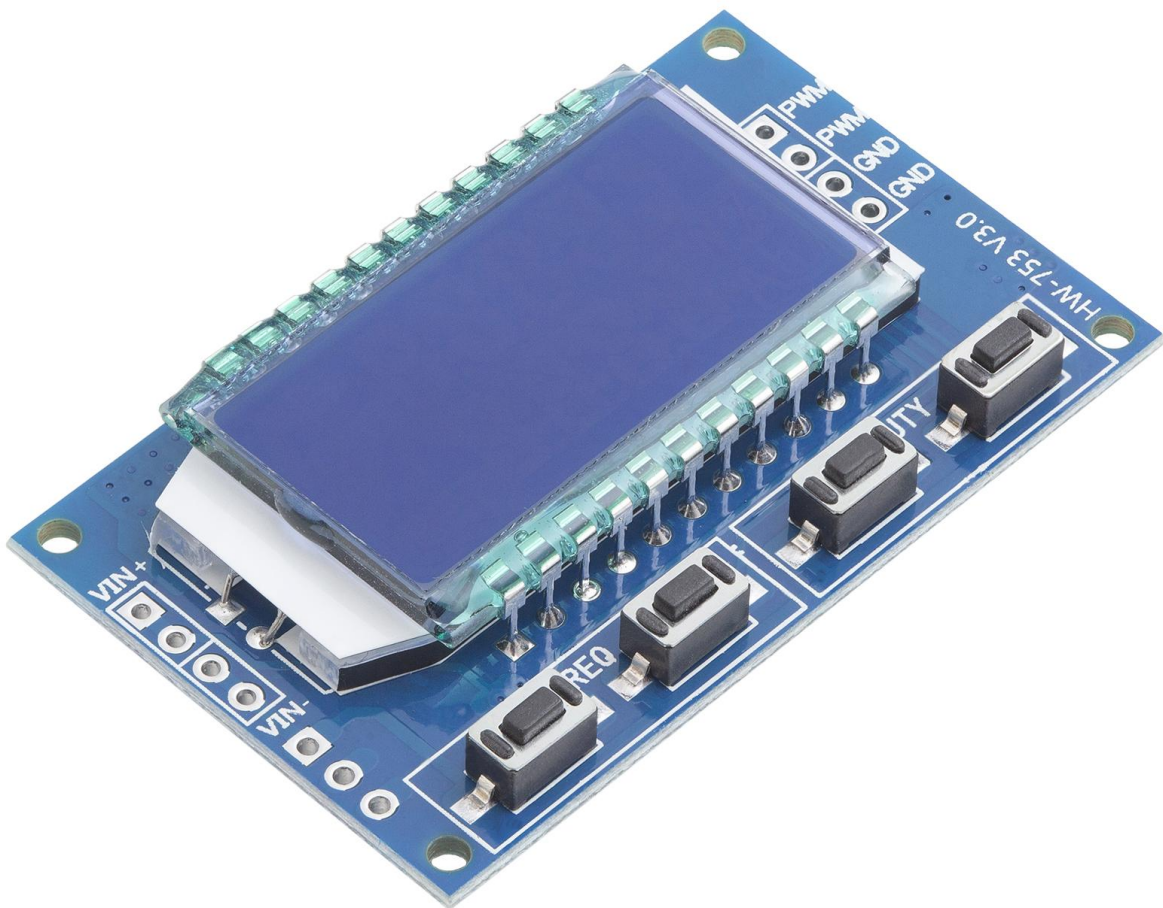
Table of Contents

Specifications

Operating voltage	3.3V - 30V
Frequency range	1Hz - 150kHz
PWM Amplitude	equal to supply voltgae
Frequency accuracy	2%
Dimensions	52 x 32 x 9,35 mm
Weight	14,2 g

The settings are not lost on power down

Module description

PWM output, you can set the frequency and duty cycle separately;
Frequency is divided into four ranges, automatically switch:
1. XXX (no decimal point): the smallest unit is 1Hz;
the value range is 1Hz ~ 999Hz;

2. X.XX (decimal point in the hundered): the smallest unit is 0.01Khz,
the value range is 1.00Khz ~ 9.99KHz

3. XX.X (decimal point in ten): the smallest unit is 0.1 Khz;
the value range is 10.0KHz ~ 99.9KHz

4. X.X.X (decimal point in ten and hundred): the smallest unit is 1Khz;
the value range is 1KHz ~ 150KHz

E.g. Frequency display:
100 indicates that the PWM output 100Hz pulse;
1.01 indicates that the PWM output 1.01K pulse;
54.1 indicates that the PWM output 54.1kHz pulse;
1.2.4 indicates that the PWM output 124kHz pulse;

The module has four independent keys, uses to set the frequency and duty cycle; support short press (increase or decrease a unit) and long press (fast increase or decrease), the setting parameters will be saved automatically, besides, it will not be lost when power down.