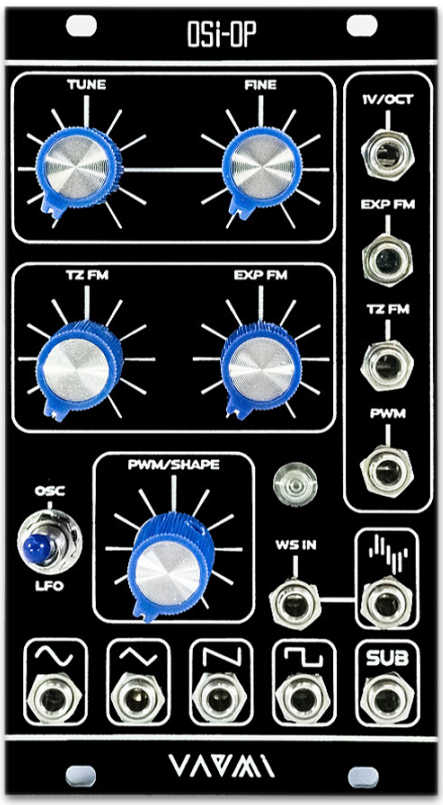
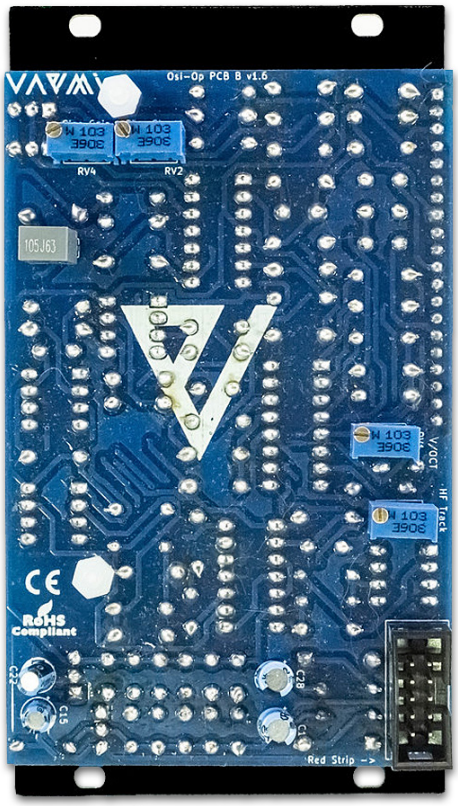
Definitely worth a mention: Türkiye goes Eurorack! VAEMI (**V**olt **A**ge **E**lectronic **M**usical **I**nstruments) was found in 2020 in Istanbul. Now the company presents its first module: OSI-OP. This analog oscillator features thru-zero FM and exponential FM.





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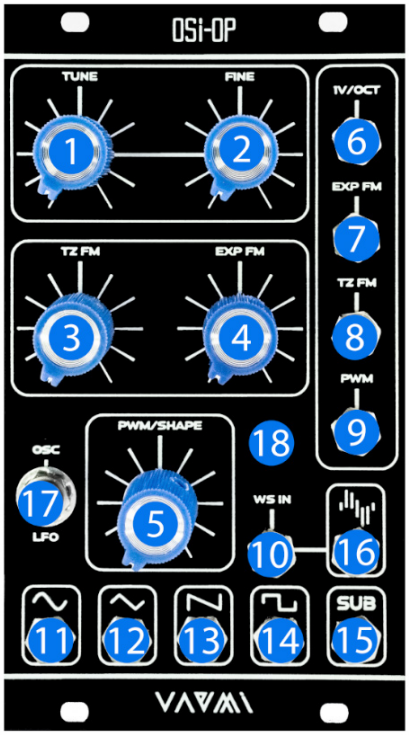
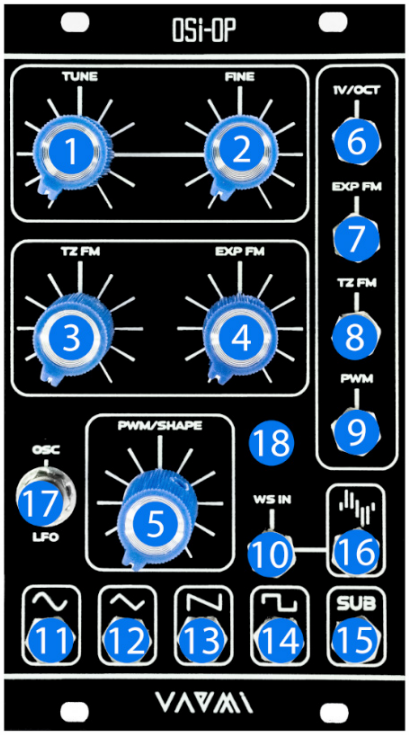
In addition, OSI-OP features PWM, a waveshaper and it has its own square-wave sub-oscillator. The module can be operated in audio- as well as as an in LFO-mode. OSI-OP costs 270 USD / 265 Euros.

"From a first impression, it may look like an oscillator that is appropriate for subtractive synthesis; however, ***we actually designed it to be used for additive synthesis****. Thanks to Thru Zero FM, this oscillator can regard oscillators with Sine Wave as analog operators. You can even prepare your synthesizer patch without using the classic subtractive resonant filter."*

(Source: https://en.vaemi.net)



1. Knob 1 - Tune - Tune Range 3.5hz - 7khz
2. Knob 2 - Fine Tune
3. Knob 3 - Thru Zero FM Input Attenuator
4. Knob 4 - Exponential FM
5. Knob 5 - Pulse Width Modulation / Waveshape Morphing
6. 1V/OCT CV Input (±8V)
7. Exponential CV Input (±8V)
8. Thru Zero FM Input (±8V) (AC Coupled)
9. PWM / WS Morphing CV Input (±5V)



10. WS Morphing Wave Input
11. Sine Wave Output (±5V / 10Vpp) (1k ohm)
12. Triangle Wave Output (±5V / 10Vpp) (1k ohm)
13. Sawtooth Wave Output (±5V / 10Vpp) (1k ohm)
14. Square Wave Output (±5V / 10Vpp) (1k ohm)
15. Square Sub OSC Output (10vpp) (1k ohm)
16. Waveshape Output (±5V / 10Vpp) (1k ohm)
17. LFO / OSC Switch
18. Led indicates oscillator's oscillation

Listen to OSI-OP …

Exponential FM:

Thru-Zero FM:

Waveshape (WS) Out combinations:

Basic VCO waveforms (simple tonal loop):

Further info: https://en.vaemi.net
