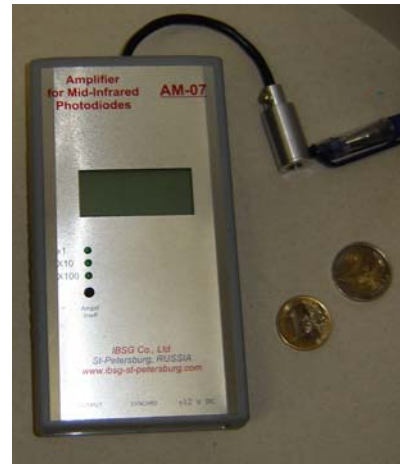


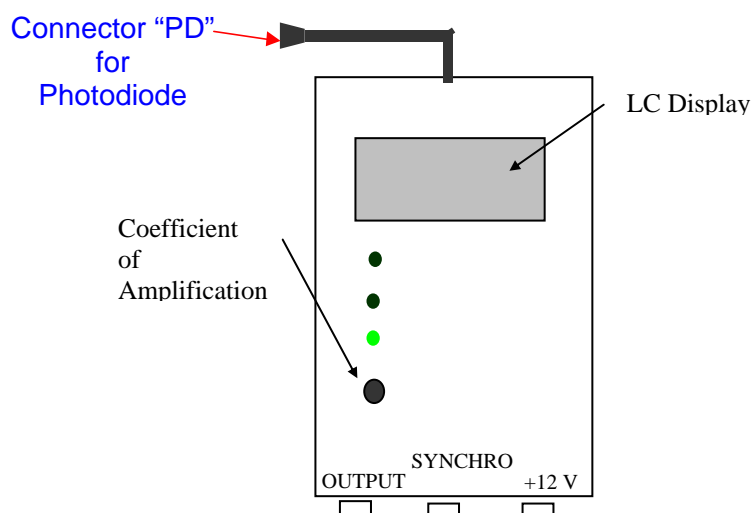
AMPLIFIER for PHOTODIODES 2.4; 3.6 μm

PD Amplifier Model AM-07

- Amplifier **AM-07** converts the current output of a signal source such as for example Mid-Infrared photodiode, into a voltage output with amplification of the voltage for subsequent use with various electronic systems, like lock-in-amplifiers, oscilloscopes or A/D converters. In the same package is included also Sinchrodetector that gives direct current proportional to the signal at selected frequency. Customer can see the signal on LC Display.



Parameters	
Bandwidth (measured with PD24-20)	0,5 kHz - 1 MHz
Coefficient of amplification (meas. with PD24-20)	$6,4 \cdot 10^6$ V/A
Maximum Output	+/- 4 V
Output Impedance (optimum)	50 Ohm
Temperature range	-10 - +30 °C
Package Dimension	80x40x22 mm
Power Requirements	+12 V DC



LC Display shows amplified signal after synchrodetcting.

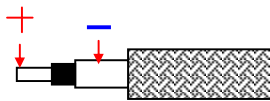
Operating instruction for

AM-07

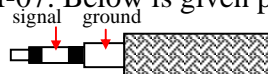
1. Insert a PD into connector "PD" Please check that:

- ✓ Pin with red point on the PD package is combined with appropriate jack of connector "PD" (1) with red point.

2. Insert AC/DC adapter into connector "+12V DC" (Attention on voltage polarity).



3. Take a synchro cable and unite the "SYNCHRO" out of driver for LED with the "SYNCHRO" out of AM-07. Below is given polarity of this cable.



4. If you want to see the form of signal from photodiode on the oscilloscope you can connect the oscilloscope "Input" and "Output" of AM-07 with cable.

AM-07 is ready for work right away after the connecting of adapter.

5. You will see the amplified detected signal from photodiode. With button "Amplif.coef" you can change the coefficient of amplification.