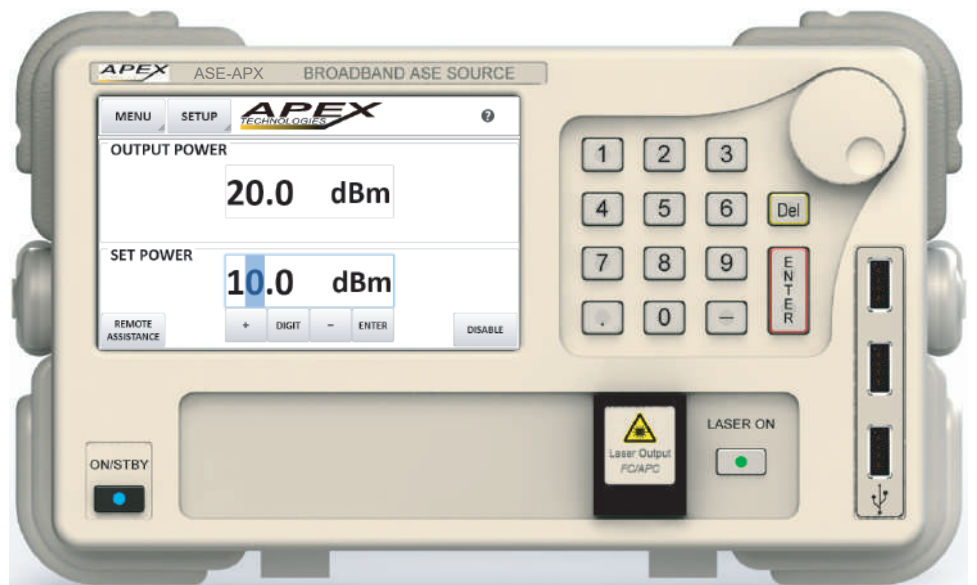


Broadband Amplified Spontaneous Emission Source

ASE-APX Model



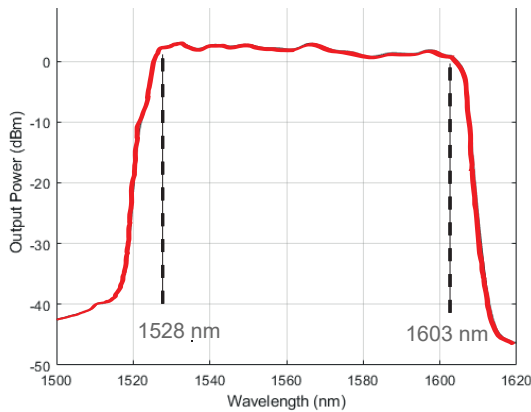
Broadband Amplified Spontaneous Emission source

Product description:

APEX Technologies ASE-APX series is a high performance Broadband Amplified Spontaneous Emission Source. Our models provide a stable high output power up to +23dBm with a broad flat spectrum that covers the C, L, C+L band or T band. As an option, we offer several output powers ranging from 20 to 23 dBm.

ASE spectrum and specifications:

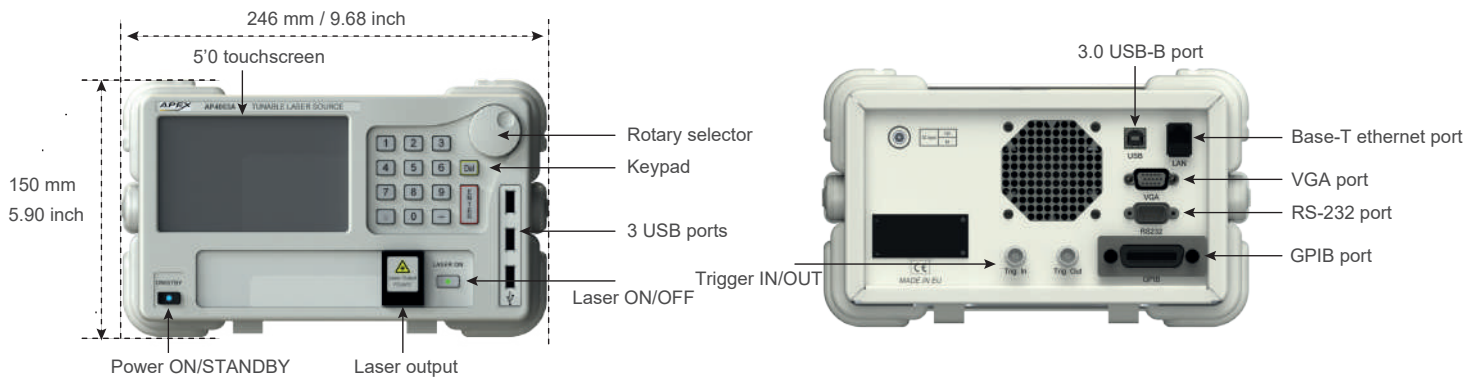
The below measurement of the ASE source has been realized with the high resolution optical Spectrum Analyzer of APEX Technologies OSA-AP6-5 model. The flatness of the source is 2 dB on the wavelength range between 1528 to 1603 nm which correspond to the ASE-AP3 model.



ASE-APX	Specifications
ASE-AP1	From 1529 to 1570 nm (C band)
Option ASE-AP1-1	Output power: +20 dBm
Option ASE-AP1-2	Output power: +21 dBm
Option ASE-AP1-3	Output power: +23 dBm
ASE-AP2	From 1568 to 1603 nm (L band)
Option ASE-AP2-1	Output power: +20 dBm
Option ASE-AP2-2	Output power: +21 dBm
Option ASE-AP2-3	Output power: +23 dBm
ASE-AP3	From 1529 to 1603 nm (C+L band)
Option ASE-AP3-1	Output power: +20 dBm
Option ASE-AP3-2	Output power: +21 dBm
Option ASE-AP3-3	Output power: +23 dBm
ASE-AP4	From 1035 to 1083 nm (T band)
Option ASE-AP4-1	Output power: +20 dBm
Output isolation (common)	30 dB
Output power stability (common)	0.02 dB
Spectrum flatness	2 dB for the ASE-AP1, ASE-AP2 & ASE-AP3 8 dB for the ASE-AP4

Stand-alone ASE source Benchtop

APEX Technologies now proposes compact stand-alone benchtop with many possibilities of remote control technologies and a user-friendly interface.



Stand-alone benchtop optical instruments	
Connector type	FC/APC (other connectors on demand)
USB-A connectors	3 USB-A 2.0 ports (enables keyboard, mouse and USB stick)
USB remote control	Yes, Via USB-B 3.0 port
Ethernet	Yes
GPIB	Yes
RS-232	Yes
Internal memory	64 Gbit
File format	txt, bmp and setup file formats
Display	5.0" touchscreen pad and VGA port
Dimensions	W x H x D: 246 x 150 x 341 mm / 9.68 x 5.90 x 13.42 inch
Weight	Average: 4.5 kg / 9.92 lb
Environmental conditions	Operating temperature: +5 to +35°C Storage temperature: -10 to +50°C Humidity: 20 to 80% RH (no condensation)
Power requirement	Furnished AC Adaptor with 12V/5A DC output, power 60W