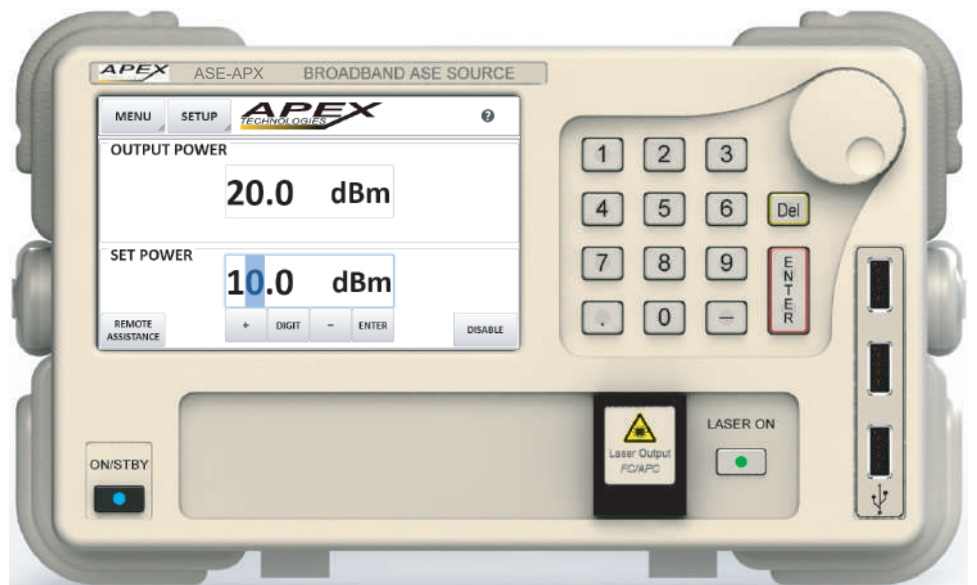# Broadband Amplified Spontaneous Emission Source

ASE-APX Model
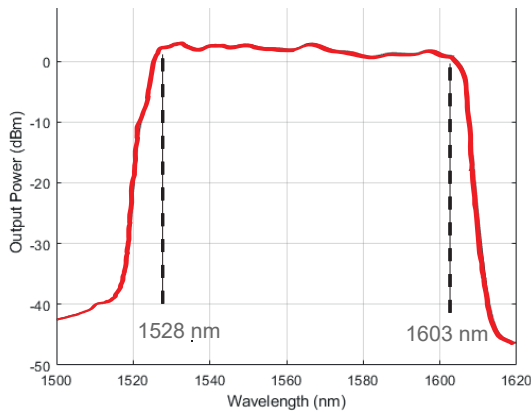

APEX Technologies

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.
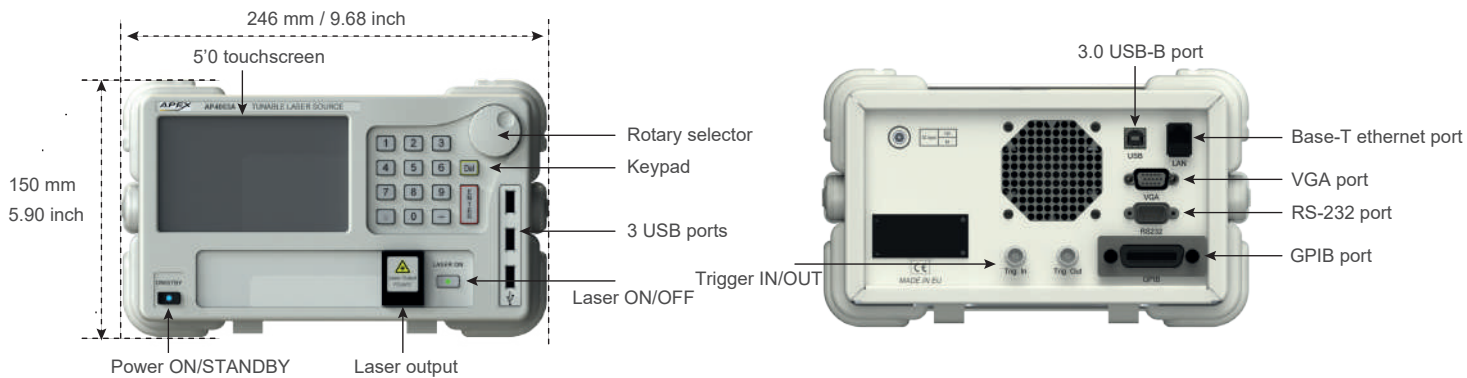
ASE spectrum and specifications

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

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