

# DSB-80-B-20



## DEVICE

## 80 channel DWDM Source Bank, 20 mW output

## OVERVIEW

The DWDM Source bank is a 80 channel DSB system that produces 80 ITU channels with 80 DFB laser sources, integrated in 10 benchtop units. The wavelength and output power for each channel is tuned through use of the touchscreens or through a Z-link wireless controller and LabVIEW software.

## FEATURES

- 80 ITU channels
- Adjustable wavelength and Current
- Output can be customized to PM Panda Fiber Connector
- Wavelength stability of  $\pm 5\text{nm}$
- Easy-to-use Touchscreen
- Powerful LabVIEW Software for remote control and monitoring

## SOFTWARE

- 7" LCD Touchscreen
- Built-in Intuitive GUI
- Remote Control via Z-link

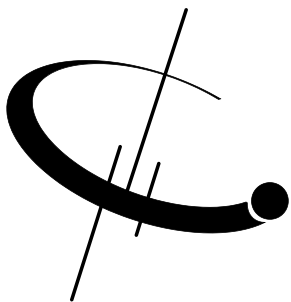
## APPLICATIONS

- Laboratory Testing and Measurement
- DWDM Networks
- Seed Laser
- Fiber Optics Components
- Fiber Sensors

## CUSTOMIZATION

- PM or SM outputs available
- Various power levels
- A large selection of ITU channels (can specify number of each)
- See next page for ordering instructions





# DSB-80-B-20

## SPECIFICATIONS

### OPTICAL

Wavelength	80 ITU Channels between Ch. 18 and 61 on 50 GHz Grid
Channel Spacing	50 GHz
Output Power	20 mW typ.
Standard Laser Linewidth	2 MHz typ., 10 MHz max
Side Mode Suppression Ratio	45 dB typ.
Relative Intensity Noise	-145 dB/Hz max
Output Power Stability	±0.05 dB
Fiber Type	SMF-28
Optical Connector	FC/APC

### MECHANICAL

Operating Temperature	10 °C to +50 °C
Storage Temperature	-10 °C to +70 °C
Operating Humidity	0% to 85% Relative Humidity
Dimensions (LxWxH)	484mm x 393 mm x 151 mm
Weight	< 2.5 kg
Housing	Injection Molded Aluminum

### ELECTRICAL

Power Supply	120-220V AC power
Display	7" LCD Touchscreen
Software	GUI Interface

## ORDER OPTIONS

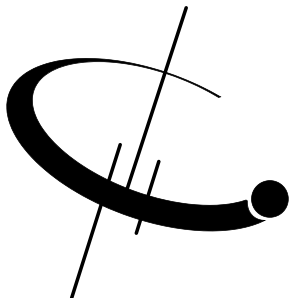
DSB-xx-B-yy-zz

xx: specifies number of channels  
ie. 5, 10, 40, 80...

yy: specifies channel output power (mW)  
ie. 5, 10, 20...

zz: specifies PM or SM  
PM for PM, none for SM



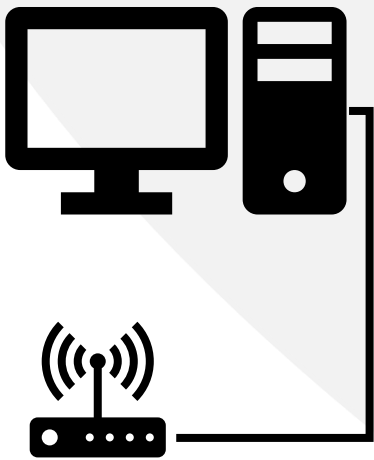


# DSB-80-B-20

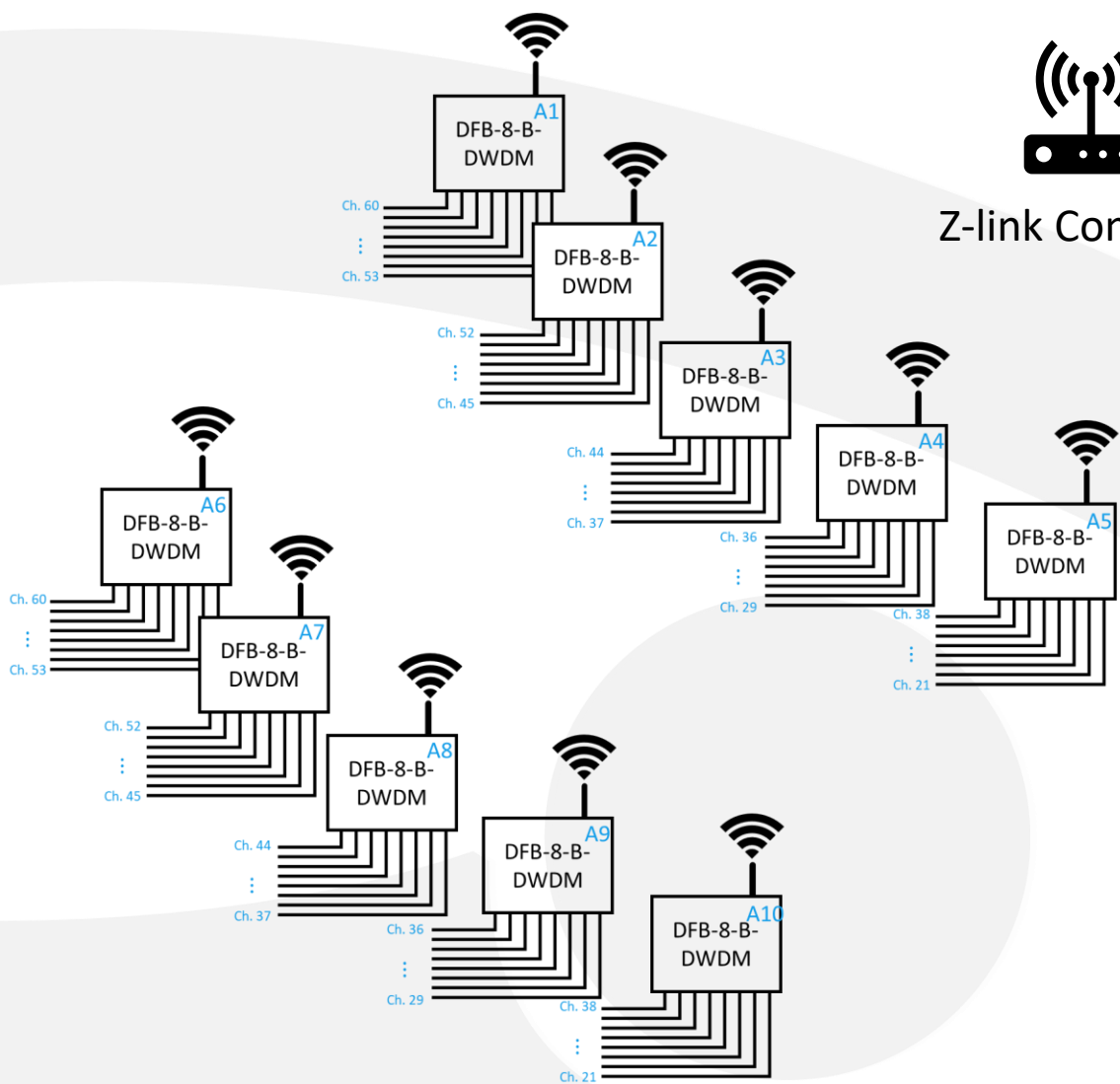
FUNCTION  
DIAGRAM

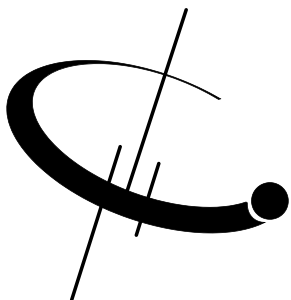
i.e. Unit “A”

PC (not included)



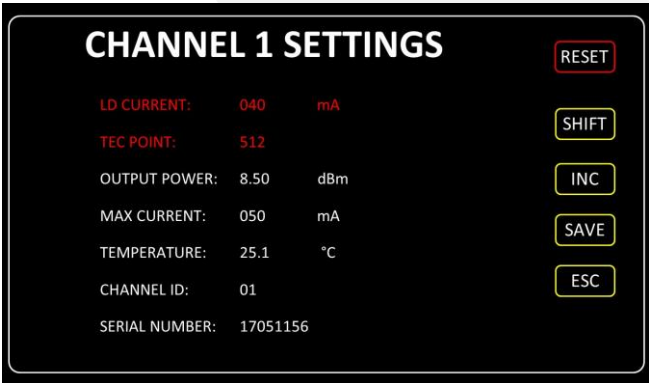
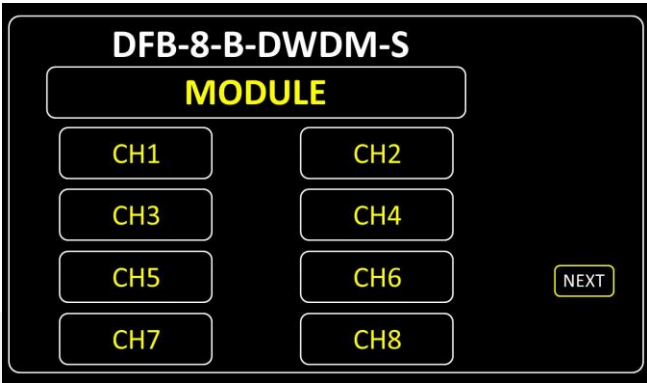
Z-link Controller





# DSB-80-B-20

Touchscreen



Wireless LabVIEW

SOFTWARE  
INTERFACES

