

	Solutions							
Functions	1	2	3	4	5	6	7	8
User input	numeric pad	Touch screen	external keyboard	Analog dial	Voice	Phone app		
User display	LED display	LCD display	7 segment	3 LEDs	Voice	Matrix of LEDs	Print labels	
Measure attenuation	Insertion loss	Backscattering	OTDR	Wavelength change method	PMD	Others from research	alternate light sources	
Hardware self test	Measure cleanliness of port with camera	Measure cleanliness of port with light sensor	Check output power of laser	Circuit board self test	Built In Self Test	Temperature test	Interlock monitor	
Software self test	Ping slave devices	Test bench	Others?					
Safety(laser)	Cap on port	Shutter on laser	Switch on box lid	E-stop				
Calibration	Cleaning port	Adjust laser power with feedback						
Detect Connection	Push button	Magnetic switch	Light sensor	PIR sensor				