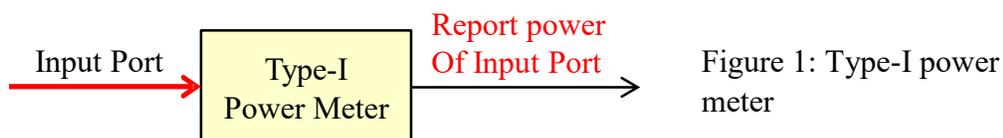
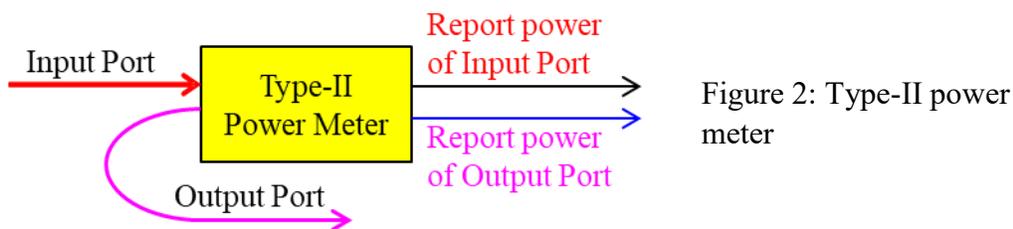


I/O Power Meters

Optical power meter is a piece of common optical instrument, widely used in fiber-optic systems to measure the input optical power of an optical signal inputted to the power meter, as schematically shown in Figure 1. This is the traditional Input-Type power meter (Type-I), which reports the power to its input port only.



GouMax PWL-200 is a dual-port optical power meter (Type-II), which contains an Input port and an Output port, as schematically shown in Figure 2. This two-port power meter can report the optical powers to the input and from output ports. This type of optical power meter is quite useful in production floor and verification. This type of optical power meter is also named as I/O power meter.



I/O Power Meters

Key Features

- High speed
- High power accuracy and repeatability
- No moving parts
- Integration flexibility
- No water absorption in E-band

Key Applications

- Power measurements
- Product characterization
- Research laboratories
- Instrumentation

Product Specifications and Key Parameters

Parameter	Unit	Specification	
		Single-band	Full-band
Wavelength Range	nm	O/E/S/C/L/U	1250 ~ 1650
Measurement Power Range	dBm	-50 ~ +10	
Absolute Power Uncertainty	dB	< 0.08	< 0.1
Relative Power Uncertainty	dB	± 0.05	± 0.08
Power Repeatability	dB	± 0.05	± 0.05
Power Resolution	dB	0.01	
Noise Floor	dBm	-60	
Averaging Time	ms	1 ~ 500	
Response Time	s	< 0.5	
Warm-Up Time	Min.	5	
Return Loss	dB	< 30	
Electrical Interface	-	USB/UART	
Power Consumption	W	< 2.0	

Notes:

- 1) Measured at -40 ~ +10 dBm at 25±1°C.
- 2) Recommended averaging time = 20~200 ms.