

# Fiber Optics Test Solutions:

LAN/WAN, Enterprise, Carrier Ethernet, FTTx,  
PON and Telecom



## KE8000 / KE8100 / KE8200



### At a glance

- Optical power meter with six calibrated wavelengths
- Measurement range from -70 up to +3 dBm
- Optical light source for single-mode 1310, 1490 and 1550 nm
- Multimode light source with two wavelengths
- 2.4" LCD display with backlight
- Variable measuring adapter system
- Rugged and handy
- Easy-to-use instruments

NEW



**KE8000 / KE8100 / KE8200** are inexpensive and easy-to-use optical power meter and light sources in pocket format for attenuation measurement during installation and maintenance of optical single- and multimode networks.

Fiber Optic Test Solutions	KE8000 Optical Power Meter	KE8100 MM Light Source	KE8200 SM Light Source
Fiber type	Multimode, Singlemode	Multimode (62,5/125 μm)	Singlemode (9/125 μm)
Wavelength range in nm	800 up to 1700 nm	850, 1300 nm	1310, 1490, 1550 nm
Calibrated wavelengths in nm	850, 1300, 1310, 1490, 1550, 1625	–	–
Variable measuring adapter system	SC/PC, FC/PC, ST/PC, Univ. 2.5 mm	SC/PC	–
Detector / transmitter diode	InGaAs	FP laser diode	DFB laser diode
Measurement range	-70 ... +3 dBm	–	–
Measurement accuracy	± 5 %	–	–
Power / attenuation measurement	in dBm or μW / dB	–	–
Output level	–	> -10 dBm (Class I)	> -7 dBm (Class I)
Level stability	–	< 0.1 dB/5 h; < 0.05 dB/15 min	
Modulation	automatic detection	continuous wave and modulation: 270 Hz, 330 Hz, 1 kHz, 2 kHz	
Power supply	2 x AA Alkaline batteries	2 x AA Alkaline batteries	
Operating time	> 70 h with Auto-OFF function	> 15 h with Auto-OFF function	
Display with backlight	2.4" LCD	2.4" LCD	
Operating temperature	-10° C ... +50° C	-10° C ... +40° C	
Dimensions	160 x 76 x 28 mm	160 x 76 x 28 mm	
Weight	210 g	220 g	
Article number	0.49110	0.49120	0.49130
Standard accessory	Measuring device with protective bag, batteries, calibration certificate and instruction manual		



# Fiber Optics Test Sets:

LAN/WAN, Enterprise, Carrier Ethernet, FTTx,  
PON and Telecom



## KE8001 – KE8083

Fig. KE8083



### Benefits

- Fast and accurate attenuation measurement
- Easy-to-use test equipment, rugged and handy
- Suitable for single- and multimode applications
- Optional with optical visual fault locator VFL
- 2.4" LCD display with backlight
- Variably measuring adapter system
- Supplied in impact-resistant plastic case with batteries

**NEW**

Optical measurement sets with or without VFL, stored in a hard plastic case for complete, quick and easy attenuation measurements during installation, maintenance and troubleshooting.

Measuring case		KE8001	KE8081	KE8002	KE8082	KE8003	KE8083
Fiber type		Multimode	Multimode	Singlemode	Singlemode	Single-/Multimode	Single-/Multimode
Application	LAN/WAN	×	×	×	×	×	×
	Enterprise	×	×	×	×	×	×
	Access			×	×	×	×
	FTTx			×	×	×	×
	PON			×	×	×	×
	Metro	×	×	×	×	×	×
	Carrier Ethernet	×	×	×	×	×	×
Wavelength range in nm		850, 1300	850, 1300	1310, 1490, 1550	1310, 1490, 1550	850, 1300 1310, 1490, 1550	850, 1300 1310, 1490, 1550
Power Meter		KE8000	KE8000	KE8000	KE8000	KE8000	KE8000
Light Source		KE8100	KE8100	KE8200	KE8200	KE8100 & KE8200	KE8100 & KE8200
VFL Visual Fault Locator 650 nm		–	KE850	–	KE850	–	KE850
Dimensions		340 x 270 x 80 mm					
Weight		700 g	800 g	700 g	800 g	1050 g	1150 g
Article number		0.49125	0.49125-8	0.49135	0.49135-8	0.49150	0.49150-8

### Accessories

Test cable SM 2 m, Simplex	Test cable MM 2 m, Simplex	Coppler Fiber, Simplex	Plug-in adapter Fiber, metallic
SC/PC - SC/PC Art. 0.57130	SC/PC - SC/PC Art. 0.57134	SC - SC (plastic) Art. 0.57138	2,5 mm → 1,25 mm Art. 140000070
SC/PC - LC/PC Art. 0.57131	SC/PC - LC/PC Art. 0.57135	LC - LC (plastic) Art. 0.57139	2,5 mm → POF Art. 140000078
SC/PC - ST/PC Art. 0.57132	SC/PC - ST/PC Art. 0.57136	ST - ST (metallic) Art. 0.57128	
SC/PC - FC/PC Art. 0.57133	SC/PC - FC/PC Art. 0.57137	FC - FC (metallic) Art. 0.57127	

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