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Optical input

Optical input for TV Meters SEFRAM 7872, 7875 and 7876

This factory option allows you to:

- measure optical power measurement on 3 bands
- convert the optical signal (from optical LNB or from FTH cable) to an RF signal that can be measured and decoded by the TV Meter
- convert the auxiliary 5GHz RF input into a signal within the TV meters band

This option can be retrofit on your SEFRAM TV Meters 7872, 7875, 7876 (with factory return).



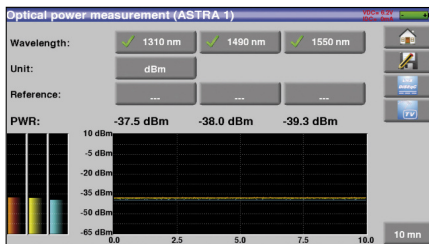
Optical module installed on a SEFRAM 7876

Technical specifications

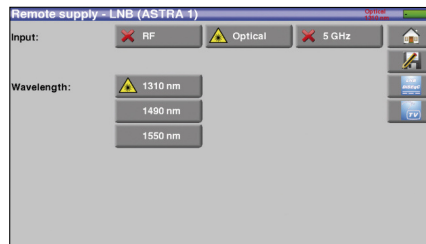
Optical power measurements	
Wavelength	1310nm, 1490nm, 1550nm
Dynamic range	-49,9dBm to +10dBm
Accuracy	±0,5dB
Input connector	FC/APC
Optical to RF converter	
Converter dynamic	-5dBm to +10dBm
RF band for cable	50 to 900MHz
RF band for optical LNB	950MHz to 5450MHz
Output RF bandwidth	50MHz to 2150MHz
Output RF connector	F (female)
5.4GHz input	
Input connector	SMA
Frequency bands	Bande 1: 50MHz - 900MHz
	Bande 2: 900MHz - 1950MHz
	Bande 3: 1950MHz - 3000MHz
	Bande 4: 3400MHz - 4400MHz
	Bande 5: 4400MHz - 5400MHz
Input dynamic range	45 - 105dBµV
Conversion gain	7dB
Flatness	±5dB
Remote supply	6,2V / 500mA
Maximum input level	120dBµV / 50V DC



5.4GHz input: band selection and remote supply control



Optical power measurement



Optical to RF converter



Accessories supplied: optical cable (60cm), RF cable for TV Meter connection (F/F)

For ordering your TV Meter optical option:

- when ordered with a SEFRAM 7872 or 7875 or 7876: 978754500
- for retrofit on a SEFRAM 7872 or 7875 or 7876 (with factory return): 978754600



FT OPTIC A00 - Specifications can be updated without notice



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