

ARTISAN®
TECHNOLOGY GROUP

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Find the *VIAVI Solutions / JDSU / Wandel and Goltermann SPM-30* at our website: *Click HERE*

Wandel & Goltermann
SPM-30

Product Details

- Selective and wideband measurements
- Scaled in dB, dBm or volts
- Synthesizer ensures excellent frequency accuracy
- Digital frequency display with 1 Hz resolution
- Fast signal detection
- Demodulator output
- Mains and battery operation
- Lightweight, compact, and easy to operate

Applications

The SPM 30 and SPM 31 Level Meters are used for level measurements on FDM communications systems operating with a small or medium numberof channels. Owing to their compactness and operation free of a.c. power, these Level Meters are particularly suitable for mobile service in maintenance and for measuring on communications systems actually carrying traffic. So the SPM 30 and SPM 31 are especially useful to Postal Administrations, Railways, or Public Utility Companies. Moreover, in service measurements on the VFT System FM 120 is possible (100 Hz bandwidth version). Owing to the accuracy and versatility of the SPM 30 and SPM 31, many applications are also found in the original manufacture and testing of these systems or of the individual modules in a system. If the Generator has been incorporated, the combination is a complete measuring setup for attenuation and gain measurements. The send and receive frequencies can be offset from one another while making end to end measurements when the PS 30 Level Generator is used also.

Characteristics

A frequency synthesizer produces the local oscillator frequencies of the Selective Level Meter. Thus, the high accuracy and stability are assured by this modern technique. A manually rotatable knob gives a smooth flywheel effect while swiftly tuning over the complete frequency band in one range. Frequencies are presented on a digital display with 1 Hz resolution. Levels are measured in various bandwidths as either low noise or as low distortion. A large scale analog meter provides the level readings. The fine scale divisions of 0.1 dB and 5 dB scale offset assist the operator so that measurement errors may be kept small. Both voltage level and power level as well as voltages are measurable.

Frequency range

SPM 30, coaxial 200 Hz to 1.62 MHz; Balanced 200 Hz to 620 kHz
SPM 31, coaxial and balanced 200 Hz to 620 kHz
Input impedance
coaxial 75 Ohm, high impedance
balanced (135) 150 Ohm, 600 Ohm, high impedance
Measurement range for 0 dB reading (2.5, 8 V), selective
Level –100 to +20dB/dBm
Voltage 8 microV, 25 microV, ..., 8 V
Bandwidths, switch selectable 24 Hz (if requested, 100 Hz), 1.74 kHz, 3.1 kHz
Send level range
(PSE 30 or PSE 31) - 60 to + 1 dB/dB
Voltage: 0.8 mV, 25 mV, ..., 0.8
Weight, with PSE 30/PSE 31: approx. 12kg

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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