

# HIGH RESOLUTION OPTICAL CHANNEL MONITOR (HR-OCM)

## FOCM01FXC1MN

Featuring unprecedented resolution, power and frequency accuracy, the High Resolution Optical Channel Monitor (HR-OCM) by Coherent offers optical spectrum analyser (OSA) performance in an ultra-compact, cost effective optical networking component.

Through proprietary and patented coherent detection and sub-GHz wavelength accuracy, the HR-OCM from Coherent features highly accurate power monitoring independent of adjacent channel power and without the need for de-convolution, making it ideal for next generation networks. Effectively future proof, it not only complements but enhances new transceiver technologies which allow transmission rates and modulation formats to be configured for optimum spectral efficiency over any transmission link in an adaptive manner.

The High Resolution OCM represents the latest addition to Coherent's industry leading ROADM and wavelength management portfolio, offering unparalleled value to system and network providers through complementary innovations.



## FEATURES

- Fully integrated compact, cost effective, low-profile OPM/OCM module
- Excellent power accuracy independent of adjacent signal power
- Excellent wavelength accuracy without the need of an external reference
- Simple and flexible interface including configurable sub-GHz spectral slice widths
- Rapid scanning of the entire C-band in real-time
- Powerful advanced processing of spectral features
- Patented and proprietary coherent detection technology
- Stable and reliable operation

## APPLICATIONS

- Densely spaced multimedia or super-channel carrier discrimination
- Accurate measurement of high baud rate signals with narrow gap
- Remote access to advanced network diagnostic and measurement capabilities at every node
- Long haul and metropolitan DWDM network supervision
- Precise network control during dynamic network operations such as provisioning and maintenance cycles
- Effective network fault localization
- Reliable long-term WDM network operation

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