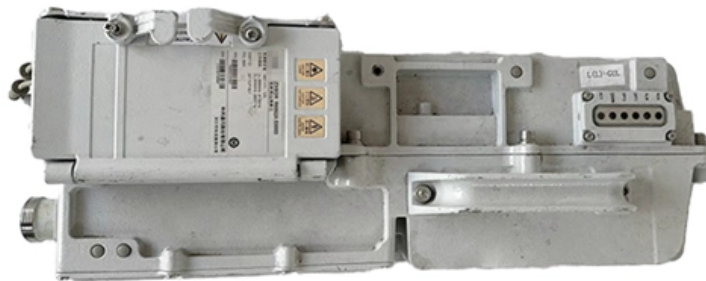


Fiber Bragg grating demodulator for smart buildings





Fiber Bragg grating demodulator for smart buildings

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A novel scheme for demodulating frequency-modulated optical signals is proposed. It uses polarization-maintaining fiber Bragg grating (PM-FBG) as a

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A demodulation instrument for fiber Bragg grating based on DSP was developed in this treatise, coupled with the arithmetic of Gaussian fit peak finding based on fixed-point DSP. The principle of the

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Fiber Bragg Grating is a versatile and powerful technology that turns a simple optical fiber into a precise sensing and communication tool. Its immunity

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Fiber X300/X500 series is a Fiber Bragg Grating demodulator by scanning spectrum. It uses a scanning narrow-band semiconductor laser as light source to perform high-resolution fiber grating

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Fiber Bragg Grating Sensor The Fiber Bragg Grating (FBG) sensor consists of distributed



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Demodulation Algorithm for Fiber Bragg Grating Sensors



A demodulation algorithm is vital for a fiber Bragg grating (FBG) sensing system. In this paper, a novel demodulation algorithm based on the variable-step-size method and cross-correlation algorithm is

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