

CFA-100M

Fiber Optic Gyrocompass



ACCURACY AT WORK
FOR MINING, O&G AND CIVIL ENGINEERING

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Civitanavi Systems' proprietary state-of-the-art Fiber Optic Gyro based Gyrocompass and AHRS, delivers optimum performance at minimum total cost of ownership.

Ease of use is provided by a low-cost commercially available WiFi interface which can be operated by Android devices or any other WiFi capable product.

The **CFA-100M** is the original version of Civitanavi's commercial gyrocompass product line specifically developed for use in the field of mining and civil engineering/tunneling for static azimuth pitch & roll alignment.

Reliability has been proven with many thousands of operating hours in the field

SYSTEM CHARACTERISTICS

Signal outputs/inputs

WiFi/JSON
IEEE 802.11g
Serial RS422

Environmental conditions

Operating Temperature: -40°C to $+71^{\circ}\text{C}$
Storage: -55°C to $+85^{\circ}\text{C}$

Performance

Azimuth: 0.1deg SecLat
Roll/Pitch: 0.1deg
Roll/Pitch range: $\pm 90^{\circ}$ deg

Dual Use Yes

Settling Time

(Gyrocompass): 12 minutes

Dimensions

WxHxD: 151x161x286mm

Weight 8Kg

Power requirements

Input voltage: 12V-24VDC
Power consumption: 15W

