

# 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 +77°C  
Storage: -55°C to +85°C

### Performance

Azimuth: 0.1° SecLat  
Roll/Pitch: 0.1°  
Roll/Pitch range: +/-90°

### Dual Use

Yes

### Settling Time

(Gyrocompass): 12 minutes

### Dimensions

WxHxD: 151x161x286mm  
Weight: 8Kg

### Power requirements

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

