mintaka
INNOVATIONS

KEY FEATURES & SPECIFICATIONS

DISTRIBUTED **EXCLUSIVELY** BY **Weems & Plath®** *Manufacturer of Fine Nautical & Weather Instruments*	MINTAKA STAR **$799**	MINTAKA DUO+ **$699**	MINTAKA DUO **$599**
• Two independent, high-precision atmospheric pressure sensors	✓	✓	✓
• Pressure reading and display update every 1 second and stored every 15 seconds. Pressure at synoptic times (00z plus every 06h UTC) is recorded in it's own file for quick reference	✓	✓	✓
• Graphic pressure history display, past 30 minutes to 120 days	✓	✓	✓
• Unique running 12-h or 24-h average pressure can be displayed to average out semi-diurnal pressure variation present in the tropics	✓	✓	✓
• Prominent pressure trend arrows provide visual warning of significant change in barometric pressure	✓	✓	✓
• Unique GPS Summary Screen provides date, time, position, course, speed, pressure, tendency, & WMO/NWS Pressure Tendency Characteristic Code on one screen	✓		
• Set instrument date & time from highly accurate GPS network	✓		
• WiFi (standalone or using existing network)	✓	✓	
• Web browser access from computer, tablet or smart phone	✓	✓	
• Store network credentials for favorite WiFi networks	✓	✓	
• USB command line access	✓	✓	✓
• Telnet command line access	✓	✓	
• Pressure units include: mb, hPa, kPa, in Hg, in H2O, cm H20	✓	✓	✓
• Choose between station or sea-level pressure display	✓	✓	✓
• Accuracy of <1 mb over full range of atmospheric pressures and temperatures at any elevation	✓	✓	✓
• Long-term drift <1 mb / yr	✓	✓	✓
• Portable or fixed location operation	✓	✓	✓
• Power: accepts USB and 12 V DC input; mini-USB cable and a 120-V-AC to 12V-DC adapter is included	✓	✓	✓
• MintakaCommander (Mac & PC): export & analyze data, provide additional functions, firmware updates, integration with other systems	✓	✓	✓
• Made in the USA	✓	✓	✓
Automatically stored with each pressure reading:			
• Date & Time (high precision real-time clock)	✓	✓	✓
• Running Average (12-h or 24-h average pressure)	✓	✓	✓
• Tendency (pressure change over last 3 hours)	✓	✓	✓
• WMO/NWS Pressure Tendency Characteristic Code	✓	✓	✓
• GPS latitude/longitude position, altitude, course and speed	✓		
Integration Support:			
• NMEA compliant pressure sentences ($WXMDA, $WXXDR)	✓	✓	✓
• NMEA compliant GPS sentences ($GPGGA, $GPGLL, $GPGSA, $GPGSV, $GPRMC, $GPVTG)	✓		
• TurboWin+ integration for weather service Voluntary Observing Ship programs	✓	✓	✓