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FOR IMMEDIATE RELEASE

SDN500-xE MEMS INS/GPS Product Update

Concord, CA – October 1, 2018 - Systron Donner Inertial (SDI announces the release of a significant update to our class leading SDN500 digital quartz MEMS GPS Inertial Navigation System (GPS/INS). Introduced in 2011, the SDN500 is a platform extension of SDI's proven, tactical grade SDI500 IMU. The modular, compact, 25 in³ SDN500 provides for maximum packaging flexibility in dense systems and delivers accuracies to within 1.0 mrad in attitude, 0.1 m/s in velocity and 3.9 meters SEP (spherical error probability).

The SDN500-xE product update provides a newer generation JF2 (C/A) Code GPS receiver and tightly couples the 1 PPS GPS signal to the SDI505 IMU synch pulse to improve heading performance and reduce jitter after long periods of operation without dynamic inputs. The specifications for the updated SDN500-xE will remain the same as the current SDN500-xD INS/GPS device.

The SDN500 offers superior tactical grade performance not available in any other MEMS GPS/INS system integrating SDI's latest generation quartz gyros capable of 0.5°/hr. bias in-run stability and exceptionally low ARW (0.02°/√hr.), quartz accelerometers delivering 0.5 milli-g in-run bias stability and low VRW (80µg/√Hz.), plus high speed digital signal into a tightly coupled GPS-aided Inertial Navigation System for tactical navigation and geo-location applications.

The current SDN500-xD00 INS/GPS product will be able to order through October 31, 2018. The SDN500-xE INS/GPS product update will be available to order beginning October 1, 2018.





For further information and specifications on the SDN500-xE GPS/INS, including technical information, unit pricing, lead time availability or T&E Consignment units, please consult with your SDI Sales and Marketing Manager or Field Application Engineer for assistance.

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About Systron Donner Inertial:

Systron Donner Inertial (SDI) is the world’s leading supplier of Quartz MEMS Inertial Sensing Products and Systems providing precision systems solutions to aerospace, military and commercial aircraft, marine and land vehicular applications. Our products and systems are ideally suited for use by Integrators and OEMs. As a pioneer in the development of Quartz MEMS technology utilizing a tuning-fork design, originally introduced at the heart of the company’s renowned solid-state quartz MEMS gyros, SDI is continuously developing leading-edge disciplines with new, innovative, breakthrough products which are enabling advanced performance in critical military and commercial Guidance, Navigation and Control (GN&C) applications worldwide.

Our experience is built on over half a century of market and technological leadership in supplying our innovative gyroscopes, linear accelerometers, inertial measurement unit and INS/GPS designs to these markets, contributing to both overall performance and establishing standards for excellent price/performance characteristics.