

# SERVICE BULLETIN

NUMBER 514

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DPS-1591DP“AA”-xxx  
Digital Pressure Gauge  
Battery Option

## Air shipment regulations for DPS Gauges with Lithium Primary batteries.

The DPS-1591DP-xxx contains a 3.6V “C” size Primary Lithium battery. This “C” size battery contains 2.5 grams of Lithium, which is above the current regulated 2.0 gram limit for air shipment. With this battery the product falls under the US and International regulated class 9 shipping classification. Class 9 is one of nine hazardous material classes defined by air regulations. The International and US rules for air shipment apply to batteries shipped alone as well as those contained in products. These regulations currently prohibit this “C” sized lithium primary battery from being transported by air cargo without a substantial fee. In addition the gauge with the “C” size lithium battery is prohibited as cargo aboard passenger aircraft.

With the additional high cost of hazardous material fees for shipping regulated batteries and the possibility for fines if not shipped properly, Altronic will supply a DPS gauge version with a 3.6V lithium “AA” battery. The 3.6V “AA” lithium battery contains .66 grams of Lithium and is classified as “Excepted” for air transportation and may be shipped without the class 9 classification. The part number for the gauge with the “AA” battery adapter is DPS-1591DPAA-xxxx

A “size-conversion” battery adapter will be used in the new DPS gauge that accepts the “AA” battery and adapts it to the “C” size holder in the gauge. The gauge model with the “AA” battery will be under the accepted lithium content for unregulated air transportation. Please note that since this 3.6V “AA” lithium battery has a lower lithium content it will have a shorter life when the gauge is used in battery power mode. When the gauge is used as “loop” or is 24Vdc powered, a difference in battery life should not be noticed.

Please note that the standard product, the DPS-1591DP-xxx is still available and can be shipped via ground or sea transport to your customer. If air shipment is desired the proper documents for hazardous air shipment and the added costs will be required.

Altronic suggests that, if your stock may be subject to air shipment requirements by your customers, you order the DPS-1591DPAA-xxx in the future.

All air shipments for the DPS gauge should be the “AA” version unless the customer is willing to absorb the additional hazardous material shipping costs.

Please note that the only approved replacement batteries are 3.6 volt lithium Tadiran TL-5920/S (C-size) and Tadiran TL-5903/S (AA-size). DO NOT use 1.5 volt Alkaline or NiCad batteries, they will not power the gauge.

For further information please refer to the UN document “Lithium metal batteries contained in equipment” document number UN 3091.

