API-Cecomp Group n'fo Technical & Application Note C157

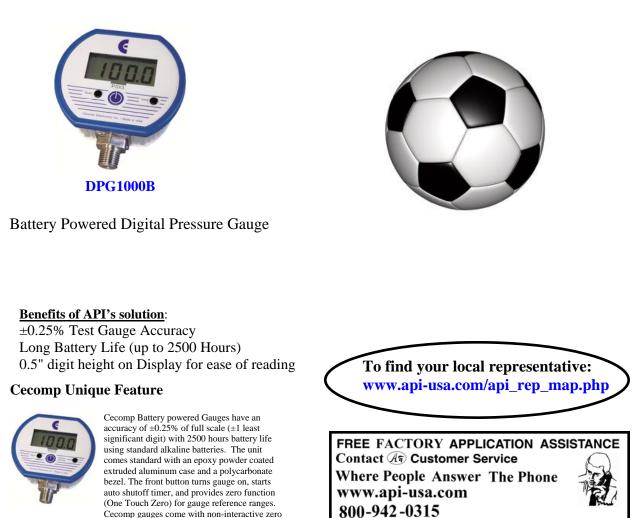
Application:	Monitor QC pressure test on soccer balls
Type Of company:	Manufacturer of Soccer Balls
Location:	Oregon

and span controls for accurate calibration.

Problem: The customer manufactures soccer balls. The FIFA requires that soccer balls maintain a pressure between 0.6 and 0.8 bar during the entire game which ensures that the ball will respond consistently when making long passes and deep crosses. During an average game the ball is kicked approximately 2000 times and it needs to perform identically to the way it did in the first minute of play. To meet the pressure requirement the customer is required to fully inflate the ball (0.8 bar) and ensure that the pressure loss does not exceed 0.15 bar after 72 hours. The gauge needed to be portable, rugged, accurate and have an easy to read visual indication of the pressure.

Note: for additional information on this process see http://en.wikipedia.org/wiki/Football_(ball)

Solution: The customer purchased a 0-1.00 BAR battery powered gauge (DPG1000B) to monitor the pressure and record the pressure values on their test documents.



API List Pricing Quick Link