

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

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_\(ball\)](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.



DPG1000B



Battery Powered Digital Pressure Gauge

Benefits of API's solution:

- ±0.25% Test Gauge Accuracy
- Long Battery Life (up to 2500 Hours)
- 0.5" digit height on Display for ease of reading

Cecomp Unique Feature



Cecomp Battery powered Gauges have an accuracy of ±0.25% of full scale (±1 least significant digit) with 2500 hours battery life using standard alkaline batteries. The unit comes standard with an epoxy powder coated extruded aluminum case and a polycarbonate bezel. The front button turns gauge on, starts auto shutoff timer, and provides zero function (One Touch Zero) for gauge reference ranges. Cecomp gauges come with non-interactive zero and span controls for accurate calibration.

To find your local representative:
www.api-usa.com/api_rep_map.php

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Where People Answer The Phone
www.api-usa.com
800-942-0315



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