

NEW

Fireball digital probes

and software



From Albion Devices, Inc.



Low cost, with plug and play USB connectivity

The lowest cost, easiest to use digital gaging probe available. Plug one or more Fireballs (limited only by available ports) into PC USB ports for an instant gaging system.

Two options:

-  **Fireball DG** connects to our **DigiGage for Fireball** gaging software, or
-  **Fireball LD** probes output ASCII characters that can be read by other programs, hyperterminal-type software or saved to a CSV file. No wedge needed. Inch/metric is pre-programmed before shipment from factory. No Albion software required. User provides software.

- 2mm (0.08 inch), 4mm (0.16 inch) and 8mm (0.31 inch), measurement ranges, linear throughout.
 - Low cost, user friendly. Instant USB connectivity.
 - Self contained electronics to provide a digital output, suitable for interfacing to a PC.
 - Reduces clutter and expense by eliminating innumerable system components.
 - Cost per channel lower even than LVDT with signal conditioning board.
 - No expensive external signal conditioning and amplification circuitry required.
 - 0.0002 mm/0.00001 inch accuracy and repeatability.
 - Overall lower system cost than LVDTs or other digital probes.
 - Used for gaging and positioning measurement.
 - Pre-calibrated at the factory.
 - No recurrent re-calibration.
 - Minimal setup time. Plug and play.
 - Requires single master only, no MIN and MAX masters.
 - Quantity depends only on available USB ports on PC, or hubs.
- Excitation Voltage / Frequency 5 VAC P-P, 1.76 VAC rms @ 7.69KHz Max
 - Excitation Current 100 mA
 - Max Input Voltage to A/D converter, 2.6 VDC
 - ADC Resolution: 14-bits
 - Linearity: .02% F.S.
 - Temp Co: .002% F.S.
 - Device Supply Current: 45 mA per Fireball device
 - Number of Readings per Second: 320 raw samples per second, 32 samples averaged, screen updated 10 times per second (one Fireball)
 - Data Output (i.e. ASCII etc): 14-bit binary format over USB channel
 - Operating Temperature: 32-140F
 - Humidity Range: 10-90%
 - Measurement Range: Set at the factory, 1, 2, 5 or 10mm range
 - Measurement Resolution: Dependent on range set: 0.2, 0.4, or 0.8 micron
- For more information and downloads visit www.AlbionDevices.com and click on **"Fireball"**

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