



## Cordis Electronic Pressure Controls

### CPC-HFE-SB



***Precise, linear digital pressure control within a closed-loop system with ultra high resolution and repeatability.***

The Cordis is a revolutionary microcontroller primed for escape velocity from a proportional control market that has grown stagnant. Built with the highest quality Clippard EVP and DVP proportional valves at its heart, the Cordis is designed to outperform the competition in every way. With unparalleled performance and flexibility not possible with current analog proportional controllers, the Cordis makes everything from calibration to sensor variety acceptance to future development opportunities more accessible and less complicated. The future of proportional pressure control has arrived, and it's digital.

|                                           |                                                                                                                                                                                                |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>**NOTE**</b>                           | Consult Clippard for Custom Calibrated Ranges                                                                                                                                                  |
| <b>2D File</b>                            | <a href="#">2D File</a>                                                                                                                                                                        |
| <b>Accessories</b>                        | 3.3 VDC Serial Cable, 3': <a href="#">CPCH-C2</a> , Power Cord, 6': <a href="#">CPCH-CA6</a> , Actuation Cable, 8-Pin, 6': <a href="#">CPCH-C1</a> , Mounting Bracket: <a href="#">CPCH-B1</a> |
| <b>Accuracy</b>                           | ±0.25% of Full Scale                                                                                                                                                                           |
| <b>Applications Form</b>                  | <a href="#">Applications Form</a>                                                                                                                                                              |
| <b>Calibrated Range</b>                   | -15 to +15 psid                                                                                                                                                                                |
| <b>Current</b>                            | <250 mA max.                                                                                                                                                                                   |
| <b>Data Sheet</b>                         | <a href="#">Data Sheet</a>                                                                                                                                                                     |
| <b>Function</b>                           | Normally-Closed Proportional                                                                                                                                                                   |
| <b>Length</b>                             | 4.54                                                                                                                                                                                           |
| <b>Linearity</b>                          | ±0.05% BFSL                                                                                                                                                                                    |
| <b>Max. Hysteresis</b>                    | ±0.05% of Full Scale                                                                                                                                                                           |
| <b>Medium</b>                             | Clean, Dry, Non-Corrosive Gases                                                                                                                                                                |
| <b>Min. Volume / Flow @ Max. Pressure</b> | ≥0.50 in3 / 6.7 l/min                                                                                                                                                                          |
| <b>Mounting Attitude</b>                  | Any                                                                                                                                                                                            |
| <b>Operating Instructions</b>             | <a href="#">Operating Instructions</a>                                                                                                                                                         |
| <b>Operating Pressure</b>                 | Vac. to 150 psig (10 bar)                                                                                                                                                                      |
| <b>Porting</b>                            | 1/8" NPT                                                                                                                                                                                       |
| <b>Product Line Brochure</b>              | <a href="#">Cordis Electronic Controls</a>                                                                                                                                                     |
| <b>Protection Rating</b>                  | IP65                                                                                                                                                                                           |
| <b>Resolution</b>                         | ≤5 mV                                                                                                                                                                                          |
| <b>Response Time</b>                      | <20 ms Typical (Application Dependent)                                                                                                                                                         |
| <b>Signal/Command</b>                     | 0 to 10 VDC                                                                                                                                                                                    |
| <b>Temperature Range</b>                  | 32 to 120°F (0 to 49°C) proportional valves                                                                                                                                                    |
| <b>Troubleshooting Guide</b>              | <a href="#">Troubleshooting Guide</a>                                                                                                                                                          |
| <b>Type</b>                               | Housed Unit, Internal Sensor                                                                                                                                                                   |
| <b>Typical Flow</b>                       | 2.7 to 65 l/min ±10% @ 100 psig (7 bar)                                                                                                                                                        |
| <b>Weight (lbs.)</b>                      | 0.5                                                                                                                                                                                            |

