

## Caged Full Bore Electronics (CFBE)



Part of the standard Production Logging tool string, the CFBE provides the sensor and electronics for the end of string spinners.

### Description

Interchangeable spinner mechanical sections are fitted to the bottom of the CFBE; dual magnets and Hall effect sensors are used to detect rotation of the impeller. The signal response is converted by the flowmeter electronics, within the CFBE, and output as spinner velocity. The direction of spinner rotation is determined by the sequence in which the Hall effect sensors are triggered.

### Features

- Requires CFBE compatible bottom end spinner
- Surface readout or memory operation
- Fully combinable with all Ultrawire\* Production Logging Tools

### Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	1 <sup>11</sup> / <sub>16</sub> in. (43 mm)
Tool length	11.4 in. (290 mm)
Tool weight	4.7 lb (2.1 kg)
Toolbus	Ultrawire*
Current consumption	10 mA
Materials	Corrosion resistant throughout