The CR80 Vertical Tag is a small, active RFID tag that works as part of a PLUS Real Time Location System.  The tag consists of a circuit board with integrated antenna, coin cell battery, and plastic enclosure.  The enclosure may be opened to enable replacement of the coin cell battery.

The CR80 Vertical Tag periodically transmits a short (~100us) packet that is received by a network of PLUS Readers. The Readers generate time of arrival data for the tag, and then send this data across an Ethernet network to a server running the PLUS software uses the time of arrival from multibple readers to determine accurate location for the tag.