

The **HT2012** HART® (Highway Addressable Remote Transducer) Modem is a low power, single chip CMOS FSK modem which operates at the Bell 202 standard. The HT2012 provides low cost, reliable HART® communication capabilities to process control instrumentation and other low power equipment. The HT2012 conforms to the HART® Foundation Physical Layer specification and is ideal for factory automation, process control, and intrinsically safe environments.



TECHNICAL CHARACTERISTICS

- ✓ Operates at the Bell 202 Standard Forward Bit Rate (1200 bits/second).
- ✓ Uses 1200 Hz and 2200 Hz Bell 202 Shift Frequencies.
- ✓ Low Power Consumption (typically 40 μ A).
- ✓ Accurate Carrier Detect.
- ✓ Single Chip Frequency Shift Keying (FSK).
- ✓ 1200 Baud Transmit and Receive Modulation.
- ✓ 3 to 5 Volt Power Supply.
- ✓ CMOS and TTL I/O compatible.
- ✓ Optimized for Intrinsically Safe Application.
- ✓ Uses reliable CMOS technology.
- ✓ Available in 16 pin DIP or 28 pin PLCC packages.

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www.smar.com

Specifications and information are subject to change without notice.
Up-to-date address information is available on our website.

web: www.smar.com/contactus.asp

