KEELOQ® Transponder Evaluation Kit

Features:

- Base station with RF and inductive communication

- Allows full testing of the HCS410 and HCS412 in all its modes

- Allows programming of the HCS410 and HCS412

- Base station learns up to four transmitters/transponders

- Simple, normal, and secure learning schemes available

- Displays IFF challenge, responses, and decrypted responses

- Displays code hopping transmissions

- Windows® software includes
    - Selection of manufacturer's code
    - Selection of other key generation options
    - Selection of HCS410 and HCS412 options
    - HCS410 and HCS412 programming
    - Monitoring of IFF and code hopping transmissions

- Comprehensive User's Guide

Lets you evaluate the capabilities of Microchip's Code Hopping transmitter and transponder devices.

The KEELOQ Transponder Evaluation Kit allows the user to fully evaluate the HCS410 and HCS412 Code Hopping Transmitters/Transponders. The HCS410 and HCS412 use the KEELOQ code hopping technology, which combines high security transmitter and transponder operation in a small, low-cost package.

Primary applications for the KEELOQ devices include automobile keyless entry, security systems, garage door openers, home security systems, central locking systems, gate openers, vehicle immobilizers, identity tokens, electronic tagging, passive (batteryless) transponders, and a growing list of other applications.

The KEELOQ Transponder Evaluation Kit is supplied with software to let the user easily reprogram or modify the settings for the HCS410 and HCS412. The hardware includes a base station that functions as an HCS410 or HCS412 programmer/code hopping decoder and transponder reader unit.

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The Embedded Control Solutions Company®

KEELOQ® Transponder Evaluation Kit

Ordering Information:

Model Name:
Transponder Evaluation Kit

Ordering Information:
DM303005

Devices Supported:
HCS410 Encoder
HCS412 Encoder

Host System Requirements:
PC-compatible computer: 386DX, 486 or Pentium® -based
VGA, 8514/A, Hercules graphic card (EGA or higher recommended)
Microsoft® Windows® 95, 98 or Windows NT®
4 MB RAM, 4 MB free disk space
3.5-inch diskette drive
One serial port (2400 baud)

Customer Support:

Microchip maintains a worldwide network of distributors, representatives, local sales offices, Field Application Engineers and Corporate Application Engineers. Microchip's Internet home page can be reached at: www.microchip.com

System Description:

The KEELOQ Transponder Evaluation Kit Hardware consists of a base station, three transmitters/transponders, a batteryless transponder, and various HCS410 and HCS412 samples. The base station doubles as a programmer and decoder. The base station includes a coil used for generating a magnetic field used to communicate with a transponder inductively. The base station has an RF receiver for receiving KEELOQ code hopping transmissions.

The accompanying Windows software is supplied on a 3.5-inch diskette and includes all the necessary software for programming and testing the HCS410 and HCS412 in all its modes.

To order or obtain more information about KEELOQ or any other Microchip product, contact the Microchip sales office nearest you.

Development Tools from Microchip	
MPLAB® IDE	Integrated Development Environment
MPASM	Universal PICmicro macro-assembler
MPLINK/MPLIB	Linker/Librarian
MPLAB-C17	C compiler for PIC17CXXX MCUs
MPLAB-C18	C compiler for PIC18CXXX MCUs
C compilers	Sold by third-party vendors (HI-TECH, IAR, CCS)
MPLAB-SIM	Software Simulator
MPLAB-ICD	In-circuit Debugger
ICEPIC	Low-cost in-circuit emulator
MPLAB-ICE 2000	Full-featured modular in-circuit emulator
PICSTART® Plus	Entry-level development kit with programmer
PRO MATE® II	Full-featured, modular device programmer
KEELOQ® Evaluation Kit	Encoder/Decoder evaluator
KEELOQ Transponder Evaluation Kit	Transmitter/Transponder evaluator
microID™ Developer's Kit	125 kHz and 13.56 MHz RFID development tools
MCP2510 CAN Developer's KIt	MCP2510 CAN evaluation/development tool
MXDEV™ 1 Analog Evaluation System	Evaluation kit for MCP devices

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