HART Protocol Revision

▪ Introduction

There are two HART Protocol Revisions available on Yokogawa transmitters: HART Rev 5 and HART Rev 7. The transmitters are set at the factory as specified in the order. However, once in the field it may become necessary to change the revision level based on Rev of HART Protocol used in the control system. With FieldMate, this change can be made easily.

Before starting, ensure that your control system is capable of reading the revision that you are changing the transmitter to. Also, confirm the proper DD or DTM is installed in your FieldMate.

▪ Applicable Models

> EJA-E Series: All models with HART Protocol
> EJX-A Series: All models with the -J communication protocol
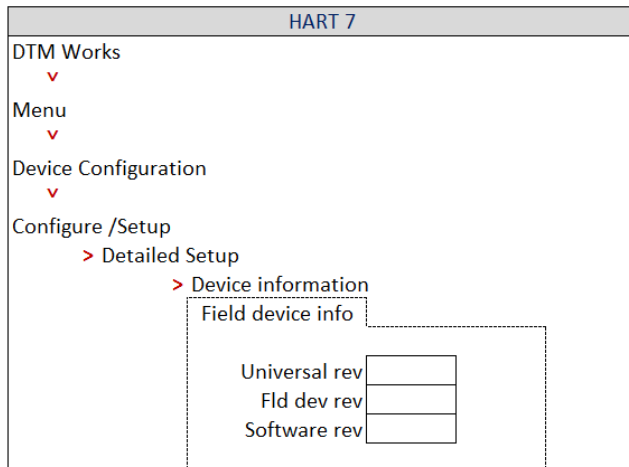**EJX110A-J MS4G-912NN/FF1/D1**

Note: EJX-A Series with -E communication code are only HART 5; the HART protocol revision can not be changed on these units.

▪ Protocol Revision Level

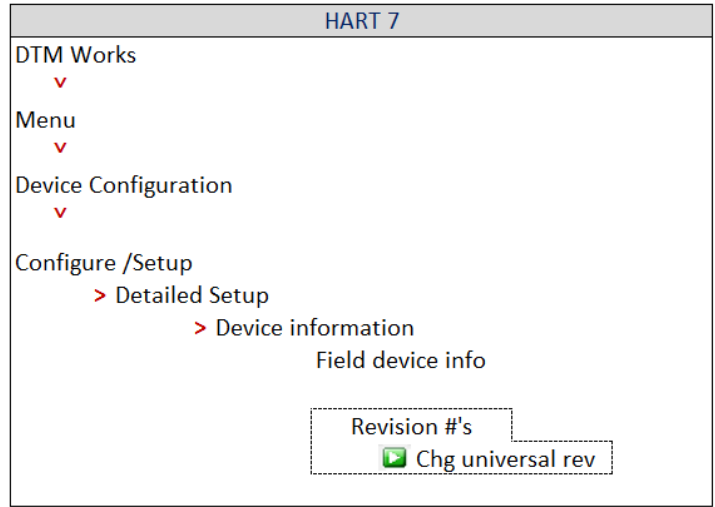The current HART Protocol revision can be checked using two different methods.

⇒ **Transmitter Power-up:** When the transmitter is first powered up, the integral indicator will display the transmitter type, Communication Protocol, and the revision of that protocol. (See FieldGuide FGP-120)

⇒ **Using FieldMate:**

FGP220-01.a

▪ Changing the Protocol Revision Level

Using FieldMate:

FGP220-02.a

⇒ Once the rev is changed, exit out of FieldMate.
⇒ Turn-off and Re-start the transmitter.
    (The change will not take place until the power is cycled.)
⇒ When the transmitter re-starts, the integral indicator will display the HART Rev level. (See FieldGuide FGP-120)