

HART with the M580

HART Multiplexer Function

The X80 HART module takes the role of HART multiplexer, facilitating the transmission of HART field instrument data as follows:

The multiplexer provides one-to-many communications between:

A HART master device, for example, asset management software resident on a PC, and Multiple HART slave devices (for example, HART field instruments)

The multiplexer provides HART instrument data to a PLC master.

The HART I/O data of AHI & AHO modules is accessed and managed by the AMS software. The following AMS software packages are supported:

- Emerson AMS suit
- FieldCare
- PACTware

I/O Mapping

In addition to the **AMS software**, the HART I/O data of the **BME AHI 0812** & **BME AHO 0412** modules can also be accessed by the **I/O mapping** function found in the device DTMs.

The X80 HART interface modules support the mapping of HART instrument input and output data items to the HART multiplexer process image. The data items enabled in I/O mapping function can be dynamically controlled by the program logic.