

Designed For Reliability..

DATA ACQUISITION

General

The HyQuest Solutions „HART to SDI-12 / Modbus Interface“ allows any 4-20mA HART device to be connected to an SDI-12 data logger and/or and RS485 Modbus RTU providing the best accuracy available from the HART protocol. The Hartbeat is available in two models, HBT1 and HBT1 Plus. (See the separate HBT1 Plus bulletin for details).

Features

- SDI-12 and/or RS485 Interface
- LED status indicators
- Light weight plastic enclosure (IP65)
- User selectable options

Specifications

- Power
 - +10V to +30V DC
 - Over voltage protected with resettable polyfuse.
 - Reverse polarity protection.
 - Powers down Hart interface to conserve power.
 - Lowest power Hart off @ 0mA = 7mA min

- Full operation Hart on @ 4mA = 18 mA
- Full operation Hart on @ 20mA = 44 mA max
- Hart Interface
 - +16V DC (Even when power source is +10V)
 - Current limited to 30mA - in the event of a short circuit.
 - Uses Hart commands to retrieve info and also set configuration.
 - (Allows connection of external Vega Connect Master by providing +16V DC power and no comms - DIP Sw selection)
- Interface #1 SDI-12 (Conforms to SDI-12 V1.3)
- Interface #2 Select via DIP switch 1-1, either :
 - SDI-12 V1.3 OR
 - RS485 (2 wire) Modbus interface
- Indicators
 - LED 1 Blue = Hart Comms
 - Red = Battery Low
 - Green = Battery OK
 - LED 2 Red = SDI-12 #1 comms
 - LED 3
 - Red = SDI-12 #2 comms
 - Green = Modbus comms



MODEL HBT1

- User Selectable Options Internal DIP Switches (refer to instruction manual for details)
- Connection: Plug-in 12 way screw terminals and Plug-in 3,way screw terminals (refer to instruction manual for details).
- Operating Temperature -40°C to +70°C
- Environmental IP65
- Dimensions
 - 120mm x 90mm x 55mm (L x W x D)



N.B. Specifications are subject to change at any time without notice.

Contact Us

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