

HR-HART475 Field Communicator



The device is suitable to the HART communication operation, compatible with hart275 hart375 and HART475. With excellent compatibility, can also communicate with 1151, 3051, EJA, ABB, E+H, Fuji and other imported instrument with HART protocols. Fully compatible with all kinds of intelligent pressure transmitters made in China, it can format the original 1151. It can also communicate with various HART flow meters, temperature meters and so on.

Basic Function

Self-inspection

The communicator inspects itself when power on, and searches transmitter as well.

Transmitter and Loop Testing

Testing function verifies if transmitter, interface and loop are working normally.

Configuration Function

Setting relative parameter for transmitter.

Parameter Relative to Output

Display 14 units, calibrate 4mA and 20mA setting value, change linearity or evolution output and input damp.

Parameter Un-relative to Output

Setting transmitter SN, description signal, date, information, indicator type, isolated diaphragm and port material.

Formating Function

Adding pressure on sensing part to get one relative value, save this value in HART intelligent transmitter electronic circuit's EEPROM.

Keyboard Function

Keyboard includes integrated letter keyboard, 6 special function keys and 3 signal keys and conversion key.

Construction description

Connecting requirement

The communicator could connect with transmitter through any terminal in control room or local place or loop, but there should be resistor between 250Ω and 500Ω . Wiring has no polarity difference, please pay attention that terminal must be connected with transmitter two sides or load resistors' two sides, but not power's two sides.

