



IST-201/2 Type A01

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Takes over and simulates 0(4)-20 mA loops during active process conditions.

### Purpose

This unique Hot Cut Over Tool designed by Ister International B.V., allows the live take over of a 0(4)-20 mA loop, under process conditions without that e.g. the power to a control valve is influenced.

Following models are available:

- 1-channel portable: IST-201 Type A01
- 1-channel portable: IST-202 Type A01



# Operation:

## Auto Loop take over.

After connecting the two sockets on the top of the unit, in parallel to the existing loop, the actual current is measured and stored. After initiating the loop take over the process loop may be disconnected and the Hot Cut Over Tool will maintain the measured current.

## Manual Loop take over.

It is also possible to take over the loop manually, where after the loop has been taken over the Hot Cut Over Tool can be adjusted to supply a new value to the current loop.

The actual values can be read out through the LCD display. The different display modes can be selected through selection buttons.

When the original load is re-attached the display value will go to zero and the Hot Cut Over tool may be disconnected.

## Specification:

Loop output:  
Maximum voltage output: **12 Volt (IST-201) / 24 Volt (IST-202)**  
Loop current: **0-20 mAmp (limited at 27 mAmp).**

## Display

Accuracy read out: **+ / - 1 count/ + / - 0.1%.**  
Sample rate: **3 samples per second.**  
Environmental:  
Operating temperature range: **5 °C - 55 °C.**  
Storage at 95% Humidity: **-10 - +80 °C with batteries removed.**  
Temperature stability: **100 ppm/ °C.**

## Battery:

Battery operation: **Up to 8 hours continuously.**  
**Ni-MH fast charge type. 12 Volt 2850 mAmp-hour.**  
Charger Specification: **Mascot 2215 5-10 cells 0.8 Amp.**

## Remark:

1-HART Protocol is not supported.

## Models

**IST201-AXX**  
**IST202-AXX**  
AXX ( Number of channels)  
01-1 channel  
Other combinations are not applicable

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