

Technical Data

A502 Signal converter 4-20mA -> 0-2.5V



The ADCON A502 is a state-of-the-art 4-20 mA Interface. It is designed to operate in existing facilities that are already equipped with sensors or data loggers as well as in new installations and enables continuous and accurate monitoring of important remote facilities and measurement points. There is no more need for time consuming and inconvenient visits for on-site data reading. An A502 can convert up to three 4-20 mA signals into voltage signals. An A723 addIT can operate up to 2 converters (6 x mA values) , an A733 addWAVE up to 4 (12 x mA values). Conversion of mA signals into the respective unit is done by device-specific drivers in the ADCON software.

The interface outputs a 0.4V to 2.0V signal to maintain the capability of the mA loop of recognizing cable failures.

The A502 interface comes in a robust IP 65/67 housing allowing for operation even in harsh environments. The 4-20 mA loops are galvanically isolated from the ADCON radio station and are either powered by an external power supply or directly by the attached sensors. If using self-supplying sensors the minimal loop voltage required is 6,5 Volts.

Channels	3 (A, B, C)
Output signals	0.4 ... 2V
Isolation voltage	min. 2 kV
Voltage drop	max. 6.5V
Fuse	250 mA
Accuracy	± 5%
Connection to RTU	7-pin extension cord (max. 2.5m)
Protection type	IP 65/67
Temperature range	-20°C ... +70°C