

SF AMP CONVERTER



The SF AMP Converter is specifically designed for some Sap Flow sensors which including UP's SFS2 and Dynamax's Dynagages, etc. And, it is used to amplify the differential output signals from Sap Flow Sensors and convert them to single-ended output signals, which amplifies the output signals from sap flow sensors and reduces the possible interferences from other objects or factors. Moreover, the other advantage is that the conversion from input differential signals to output single-ended signals actually help reduce the channel numbers required for sap flow sensors while working with datalogger or channel expansion module, etc.

Technical specification of SF AMP Converter:

IN/OUT channel number : IN => 3 differential channels, OUT => 3 single-ended channels

Input range: -1000 to +1000 μ V

Output rang: -2000 to +2000 mV

Input channel type: Differential signal x 3

Output channel type: Single ended signal x 3

Input impedance: > 10 MOhm

Output impedance: < 10 Ohm

Amplification: 2000 x \pm 1%

Temperature shift: < 0.05 μ V/ (input), < 0.1 mV/ (output)

Power supply: 8 - 24 VDC

Power consumption: @ 15 mA

Dimension (excluding cable glands) : 115 mm x 90 mm x 55 mm

Enclosure: IP65 PC (Polycarbonate)