



Mobile Measurement with MicroControl -

The F1-Series

Get your signals on the spot - de-centralized, robust and with high precision. With the reliable measurement equipment from MicroControl this will be done in a minute - now available in a new design. The F1-Series will meet all your measurement requirements.

- compact design in IP65
- free configurable and stackable
- inputs for temperature, voltage, current and strain gauge
- signalling in 16Bit / 24Bit on the CANbus
- -40°C up to +85°C ambient temperature (higher ranges on request)
- 12V / 24V / 42V power supply voltage



The F1-Series can be directly connected to well known application software such as:

- CANape or CANalyzer / Vector
- INCA / ETAS
- DIAdem or LabVIEW / National Instruments
- CalDesk / dSPACE
- ... and many more

A comfortable and free configuration software will be delivered with each module.

Get you measurement tasks done real fast.



Technical Specification F1-Series



F1-Thermocouple

- Thermocouple Typ K, J, L (and many other)
- Signal range $-200^{\circ}\text{C} \dots +1200^{\circ}\text{C}$ (depending on thermocouple)
- resolution $0,1^{\circ}\text{C}$, accuracy $\pm 0,2^{\circ}\text{C}$ over complete range
- sample rate configurable (1Hz ... 400 Hz), filter configurable

F1-Pt100

- Pt100, Pt500, Pt1000 configurable
- resolution $0,1^{\circ}\text{C}$, accuracy $\pm 0,1^{\circ}\text{C}$ over complete range
- sample rate configurable (1Hz ... 400 Hz), filter configurable



F1-Analogue

- $\pm 10\text{V}$ up to $\pm 40\text{V}$
- $\pm 20\text{mA}$ up to $\pm 100\text{mA}$
- resolution selectable (16Bit / 24Bit), accuracy $0,01\%$ fsd
- sample rate configurable (1Hz ... 4 kHz), filter configurable

F1-Analogue Output

- $\pm 10\text{V}$ or $0..20\text{mA}$ output signal
- short circuit protection
- resolution 16Bit, accuracy $0,01\%$ fsd



... and also available: digital IO, Counter, PWM-Out

Specs may change without notice

Get your information today !

FAX request to +49 22 41 / 256 59 - 11

Please send me the information for

robust measurement tools / F1-Series

Please send me the latest

Training courses schedule 2008

Please make an appointment with me

Date

Company

Name, First Name

Street

ZIP, City

Phone

email