

## ... makes the most of your measuring system

MultiXtend is the name of the extension boxes for MultiSystem measuring systems. Use them to increase the number of analog or frequency inputs, measure new measurands, or convert signals.



## MultiXtend Analog

### 4 analog input channels 0/4 ... 20 mA

Connect four analog sensors of any measurand. The measuring data will be transferred to the measuring system via CAN bus.

4x analog (0 ... 20 mA)	3160-00-00.72A0
4x analog (4 ... 20 mA)	3160-00-00.72A4
Sensor cable (5.0 m) <sup>1</sup>	8824-S1-05.00Y
MS 8050 cable (1.0 m)	8824-N1-01.00
MS 5060 cable (1.0 m)	8824-M5-01.00

Input signal	0/4 ... 20 mA
Resolution	16 bit
Scan rate (each channel)	200 Hz
Measuring error	0.01 % of EV
Operation temperature	-40 ... +85 °C
Storage temperature	-40 ... +85 °C
Protection type	IP 65 (plugged)
Casing	Aluminium die-cast
Dimensions (L x W x D)	125 x 57 x 80 mm

1: other cable length in section „Accessories“



## MultiXtend Thermo

### 4 thermal elements or sensors Pt 100

Four temperature signals are converted into CAN data and transferred to the MultiSystem.

4x thermal element type J	3160-00-00.73J
4x thermal element type J Mini <sup>1</sup>	3160-00-00.73JB
4x thermal element type K	3160-00-00.73K
4x thermal element type K Mini <sup>1</sup>	3160-00-00.73KB
4x Pt 100	3160-00-00.73PT
MS 8050 cable (1.0 m)	8824-N1-01.00
MS 5060 cable (1.0 m)	8824-M5-01.00

Input signal	Pt 100 / J / K
Measuring range Pt 100	-100 ... +850 °C
Measuring range thermal elements type J / K	-200 ... +1,200 °C
Resolution	16 bit
Scan rate (each channel)	100 Hz
Measuring error	0.01 K
Operation temperature	-40 ... +85 °C
Storage temperature	-40 ... +85 °C
Protection type	IP 65 (version „Mini“: IP 40)
Casing	Aluminium die-cast
Dimensions (L x W x D)	125 x 57 x 80 mm

1: with 4 installed „Mini“ jacks



1x frequency (square wave signal)	3160-00-00.51
MS 8050 cable (3.0 m)	8824-F8-03.00

## MultiXtend F

### 1 frequency input

The measuring data of a sensor with frequency output are transmitted to the MultiSystem via CAN bus.

Input signal	Frequency (square wave signal)
Resolution	16 bit
Scan rate	100 Hz
Operation temperature	-20 ... +80 °C
Storage temperature	-20 ... +80 °C
Dimensions (L x W x D)	125 x 57 x 80 mm



High resistive, meas. range 2A / 30V	3160-00-00.80
Low resistive, meas. range 4A / 60V	3160-00-00.81
Extension cord MK01 (5.0 m)	8824-26-05.00

## MultiXtend UI

### 1 input for voltage or current

Galvanically separated inputs to measure voltage or current. With switchable PWM filter and available in two versions.

Version	low resistive	high resistive
Meas. range voltage	± 60 VDC	± 30 VDC
Meas. range current	± 4 ADC	± 2 ADC
Input resistor	1 kΩ/V	10 MΩ
Supply voltage	13 ... 30 VDC	
Supply current	40 mA (without signal)	
Measuring error	< ± 1% of final value	
Output signal	0 ... 20 mA	
Zero value	at output signal 10 mA	



MultiXtend Split	3160-00-00.84
Extension cord MK01 (5.0 m)	8824-26-05.00

## MultiXtend Split

### 1 analog input split on 2 analog outputs

Galvanically separated signal splitter (potential-free and non-reactive) to connect one sensor to two recipients simultaneously.

Input signal	0/4 ... 20 mA
Connection voltage	12 ... 30 V DC
Current cons. (without signal) OUT2	30 mA
Linearity error <sup>1</sup>	± 0.3 % FS
Warm-up time	5 Min.
Operation temperature	-20 ... +85 °C
Storage temperature	-40 ... +125 °C
Dimensions (L x W x D)	XXX mm

1: @ 23 °C, loop resistance 10 Ω



## MultiXtend Trigger

### 1 trigger input – 4 trigger outputs

A trigger recording is actuated by one MultiSystem 5060 on max. four other measuring systems simultaneously.

MultiXtend Trigger	3160-00-00.45
Cable Master – MX <sub>Trigger</sub>	8824-R3-00.35
Cable MX <sub>Trigger</sub> – slave; 0.5 m	8824-F2-00.50

Signal	HT-specific trigger signal
Supply voltage	9 ... 36 VDC
Operation / storage temperature	-40 ... +85 °C
Protection type	IP 40
Dimensions (L x W x D)	125 x 57 x 80 mm



## Voltcraft VC 940

### Digital Multimeters

Measuring of electrical measurands with direct transmission to the MultiSystem 5060.

Technical data on request.

Voltcraft VC 920 <sup>1</sup>	8877-00-04.00
Voltcraft VC 940 <sup>1</sup>	8877-00-05.00
Voltcraft VC 960 <sup>1</sup>	8877-00-06.00
Conn. cable MS 5060 (2.0 m)	8824-N9-02.00

1: incl. connection cable for MS 5060 (2.0 m)