Portable Measuring System for SG Sensors

Type AL 2390-5S

○ Sensor Specific Parameters in Interface Plugs

○ 16 Bit A/D Converter

○ Measured Value with Unit

○ Data Logger 32 kB Eeprom

○ 3 Input Sockets

○ Accu / Battery / Mains Operation

○ Special Functions e.g. Tare, Min.-, Max., Mean Value

○ 100% Calibration Control Switch

DESCRIPTION:

At the outputs the interface electronics for analog and digital interfaces is built in the plugs of the connection cables and not in the measuring device.

Different interfaces can be connected to the output sockets of the devices. Interface types and parameters will be also read from the data memory of the interface plug and are being adjusted accordingly.

A printer for documentation can be installed directly. It is possible to transfer the measured data into tabular form, which can be used by a spread sheet program.

The data carriers in the plugs can be modified at least 10000 times.
To protect unintentional changes of the given data a staggered interlock is provided.

The connection of the sensors takes place by a patented plug with electronically data storage (EEPROM). All sensor specific data (zero point, nominal signal, unit….) are being stored in this plug. By plugging in the sensor these parameters are automatically taken over; so a scaling-error is impossible.

TECHNICAL DATA:

Type		AL 2390-5S
Art. No.		45984
Supply	Battery / Accu	9 V
	PSU	7...13 V DC
	Current Consumption	approx. 10 mA without input and output modules
Battery control		automatic with optical alarm
Display	LCD-display 12 mm	5-digit measured value, 2-digit. units
Function Keys		5
Input Socket		3
Meas. Channels		max. 4
Output Socket		2
Data Logger 32 kb	Measured Value	3700...6000
Measuring Rate		3 (10) Meas./s
System Accuracy		±0.03% f. Meas. value ±2 digit
Self Calibration		autom. zero point correction
Control Functions		autom. interface detection
Input Impedance		50 MΩ
AD Converter		Delta sigma, 16 bit
Storage Temperature Range		-30...+60 ℃
Service Temperature Range		-10...+60 ℃
Nominal Temperature Range		22 ℃ ±2 K
Ambient Air Humidity		10...90% rH (non cond.)
Temperature Drift		0.005%/K
Dimensions	Housing dimensions	180 x 85 x 33 mm
Weight		approx. 410 g (incl. battery)
Level of Protection (DIN VDE 0470)		IP 21

Accessories	Art. No.	Function
ZA 9612 FS	40347	Input module SG
ZA 1909 DK5	44515	Data cable RS232
DE 2080	40348	Thermo printer with power supply
ZA 1000 EGK	44873	Limit Value Evaluation with trigger
ZB 2000 LS	40411	Connector charger with 9 V-accu
ZB 2290 NA	40351	Mains adapter 230 V AC/12 V DC