



Comfortable data evaluation (with graphic or table layout) of the saved data via RS 232 interface in connection with PC software (included in delivery).

#### Technical data CS 2390-5

Meas. inlet:	3 probe inlets with galvanic insulation
Channels:	4 channels per probe
Outputs:	CS 2390-5 2 outputs for PC, memory extension, network use, analogue output
Power supply	
Battery:	7..9 V for probes
Mains operation:	Mains unit 12 V DC
Power consumption:	7 mA w/o probe
Display:	1½ digits, 7 segment
Meas. rate:	2.5 measurements
Housing:	H 180 x B 85 x D 133 mm, shockproof ABS
Operating temp.:	max. +70°C
Memory:	with CS 2390-5, 32 KB for 6000 m.v.
Memory extension:	128/256 KB for 25.000/50.000 m.v.

**CS 2390-5** is the ideal and affordable service instrument for all measuring tasks in the compressed air field.

The all-rounder for compressed air plants with 3 probe inlets. At one time, two of the probes mentioned below can be connected. This makes possible simultaneous measurement of pressure dew point and volume flow.

Inside the same housing, **CS 2390-5** with data logger and PC interface is equipped with 3 probe inlets and is particularly suitable for long-term measurement and evaluation of data with the PC. The internal memory saves up to 6,000 measured values and the memory extensions for 25,000 or 50,000 measured values guarantee sufficient memory capacity.

#### Special advantage:

- The saved data can directly be printed on a standard PC printer with the Gentronics data cable
- The instrument series **CS 2390-5** is **suitable for networking**. Up to 99 instruments can be interconnected.



## Professional Set

#### Order no. 0600 2390-5

The all-round set for compressed air plants, consisting of

#### CS 2390-5, mobile 3-channel meas. instrument

- **Dewpoint and pressure dewpoint measurement up to +80°C<sub>td</sub>** with simultaneous temperature (°C) and humidity (%RH) measurement with with only one probe
- **Velocity, volume flow, consumption measurement** in m/s and Nm<sup>3</sup>/h
- **Pressure measurement up to 40 bar**
- **Surface and penetration probes**
- **Hard case**

# Multifunction measuring instrument CS 2390-5

with data logger. The all-rounder for compressed air plants



## Precision pressure dewpoint probe

Meas. range: -80...+50°C tpd,  
switchable to %RH,  
°C ambient temp.  
Accuracy: ±0.5 °C at 2°C  
±2°C at -40°C tpd  
Resolution: 0.1°C, %RH



## Compressed air flow and consumption probe

Technical data see page 14

**Beside the special probes for compressed air applications, a great many probes for other parameters can also be connected, for example:**

- Pressure, differential pressure, temperature, air velocity, (vane probes, pitot tubes)
- Volume flow in liquids, force, distance, RPM
- Electric parameters, current/ voltage signals, clamp current transformer
- Analytics, PH and conductivity oxygen
- The whole range of 4...20 mA and 0...10V sensors and measuring transducers



## Pressure probe

Meas. range: 0...40 bar  
Accuracy: 1% of final m.v.  
Resolution: 0.1 bar  
Limit for overload: double value

Description	Order No.
CS 2390-5 professional set - the all-rounder with probes and hard case	<b>0600 2395</b>
CS 2390-5 portable 3-channel meas. instr. incl. cable for air flow probe	<b>0601 2395</b>
PC connection cable V24, USB cable upon request	<b>2390 1909</b>
Interface cable for connection of standard printers, Centronics data cable, cable length 5 m	<b>2390 1936</b>
Memory extension 128 KB, 25,000 measured values, for CS 2390-5	<b>2390 1904</b>
Memory extension 256 KB, 50,000 measured values, for CS 2390-5	<b>2390 1905</b>
Mains unit 12 VDC, 230 VAC	<b>2390 2290</b>
Charger for rechargeable batteries	<b>2390 2000</b>
Rechargeable battery for long-term measurements 1,5 Ah	<b>2390 2012</b>
Carrying case	<b>2390 2280</b>
Hard case	<b>0554 6000</b>
Portable pressure dew point probe -80...+50°C <sub>td</sub> with measuring chamber, cable length 2 m	<b>0699 3003</b>
Portable air flow probe	<b>3300 0080</b>
Pressure probe 40 bar, G1/4" connection	<b>0694 0040</b>
Surface temperature probe, length = 100 mm, up to max. +400°C	<b>0604 2222</b>
Penetration probe, L = 100, up to max. +400°C	<b>0604 2232</b>
Thermocouple wire with welded tip	<b>0604 3901</b>

## Temperature probes

### Surface temperature probe

Meas. range: -40...+400°C  
Accuracy: Class 2, type NiCr-Ni  
Resolution: 0.1°C  
Dimensions: Diameter 3 mm,  
probe length 100 mm  
T90 : 3 s  
Meas. tip: Silver rivet  
Cable length: 1.2 m

### Penetration temperature probe

Meas. range: -40...+400°C  
Accuracy: Class 2, type NiCr-Ni  
Resolution: 0.1°C  
Dimensions: Diameter 2 mm,  
probe length 100 mm  
T90 : 3 s  
Meas. tip: Penetration tip  
Cable length: 1.2 m

### Thermocouple wire with welded tip

Meas. range: -200...+205°C  
Accuracy: Class 2, type NiCr-Ni  
Resolution: 0.1°C  
Dimensions: Diameter 1.5 x 2.5 mm,  
probe length 100 mm  
T90 : 1.5 s  
Meas. tip: Penetration tip  
Cable length: 1.5 m

**We have the suitable probes for almost all measuring tasks. Just ask us!**