



DAS HERZ DER FRISCHE

SENSORS AND PRESSURE TRANSDUCERS

ELECTRONICS AND CONTROLS

FOR AIR HANDLING UNITS

CF-250-2 EN



SENSORS



AIR
HANDLING

SENSORS AND PRESSURE TRANSDUCERS FOR AIR HANDLING UNITS



BITZER offers a wide range of sensors and differential pressure transducers used in a wide range of applications within the HVAC industry. They are designed for various environments and applications with different temperature and pressure ranges, cable lengths and enclosures. Optimize and simplify your air handling system with BITZER DUAL

or SINGLE DPT. The DUAL DPT includes two integrated differential pressure transducers and two inputs for temperature sensors. The SINGLE DPT includes same functionality but with one pressure transducer. Modbus communication ensures easy integration to the BITZER controller range.

» YOUR ADVANTAGES

- // Seamless integration with BITZER controllers
- // High reliability
- // High accuracy

Technical specifications, Temperature sensors					
Description	NTC, resin probe	NTC, steel probe	NTC, steel probe	NTC, steel probe	PT1000, steel probe
BITZER Electronics part no.	500002239	500002246	500002238	500002241	
Cable length	2 m	2 m	5 m	0,95 m	1,05 m
Temperature range	-30°C ~ +80°C	-30°C ~ +105°C	-30°C ~ +105°C	-30°C ~ +240°C, head of thermistor	Max. operating temperature 150°C
Sensor casting	Epoxy resin	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Purpose	General purpose, not in evaporators	General use	General use	Recommended for use in solar panels or discharge lines	General use

Technical specifications, Differential pressure transducers			
Pressure range		0-250Pa	0-1250Pa
Type		Dual DPT	Single DPT Dual DPT
BITZER Electronics part no.		399000069	399000072 399000071
Power supply	12-32V; Max 20mA supply current		
RS485 ports	1 (2 connections)		
Temperature range, Operation, Storage	-25°C ~ +85°C, -30°C ~ +85°C		
Accuracy, (max. total error)	0 - 250Pa; max 2,25%, FS=6Pa		0 - 1250Pa; max 1,5%, FS=19Pa
External temperature sensors	Option of 2		
Accuracy	± 3°C in the range -50°C ~ -36°C ± 1°C in the range -35°C ~ +49°C ± 3°C in the range +50°C ~ +99°C		
Resolution	<= 1,0°C in the range < -35°C <= 0,2°C in the range -35°C ~ +39°C <= 1,0°C in the range +40°C ~ +85°C		

RELATED PRODUCTS



LMC310i EXTENDED AIR HANDLING CONTROLLER

Configurable, pre-programmed controller with extended I/O's specially designed for advanced air handling units.



END OF LINE PRODUCTION TEST

Production test system built on BITZER's many years of production experience. Increase productivity and maintain high quality in your production line.



BITZER SMART CONNECT

Monitor and operate air handling units remotely with BITZER SMART CONNECT. Available for Apple iOS, Android, Windows and MAC computers.