



DAS HERZ DER FRISCHE

TEMPERATURE AND PRESSURE SENSORS

# ELECTRONICS AND CONTROLS

FOR VARIOUS HEAT PUMPS

CF-150-2 EN



SENSORS



HEAT  
PUMPS

# SENSORS FOR HEAT PUMPS



BITZER Electronics 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.

BITZER Electronics offers a wide range of sensors and differential pressure transducers:

- // Differential pressure transducers
- // PTC temperature sensors
- // NTC temperature Sensors
- // Humidity sensors

## » YOUR ADVANTAGES

- // Seamless integration with BITZER Electronics controller products
- // 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, Pressure sensors		
Description	Discharge pressure sensor	Suction pressure sensor
BITZER Electronics part no.	500004747	500004746
Cable length	External cable, Pdis. 1,3m	External cable, Psuc. 1,3 m
BITZER Electronics part no.	500003111	500003110
Pressure range	0-500 PSI 1,0 – 35,5 bar	0-200 PSI(a) 0 – 13,8 bar
Refrigerants	HFO (R32, R1234ze)	HFO (R32, R1234ze)
Sensor casing	Brass	Brass
General purpose	Condenser	Evaporator

## RELATED PRODUCTS



### LMC320i EXTENDED HEAT PUMP CONTROLLER

Configurable, pre-programmed controller with extended I/O's specially designed for advanced heat pump applications.



### 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 heat pumps remotely with BITZER SMART CONNECT. Available for Apple iOS, Android, Windows and MAC computers.