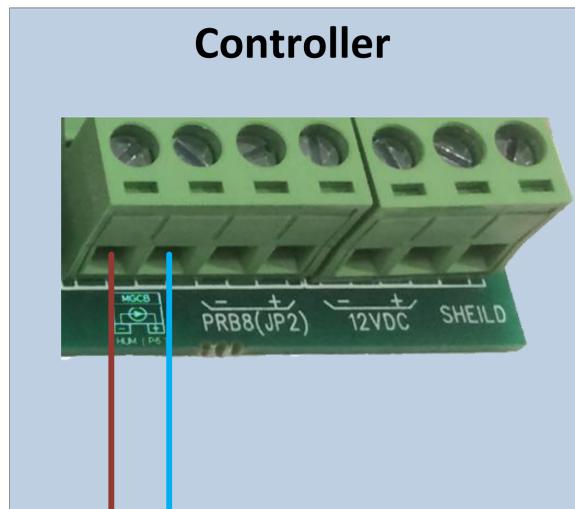
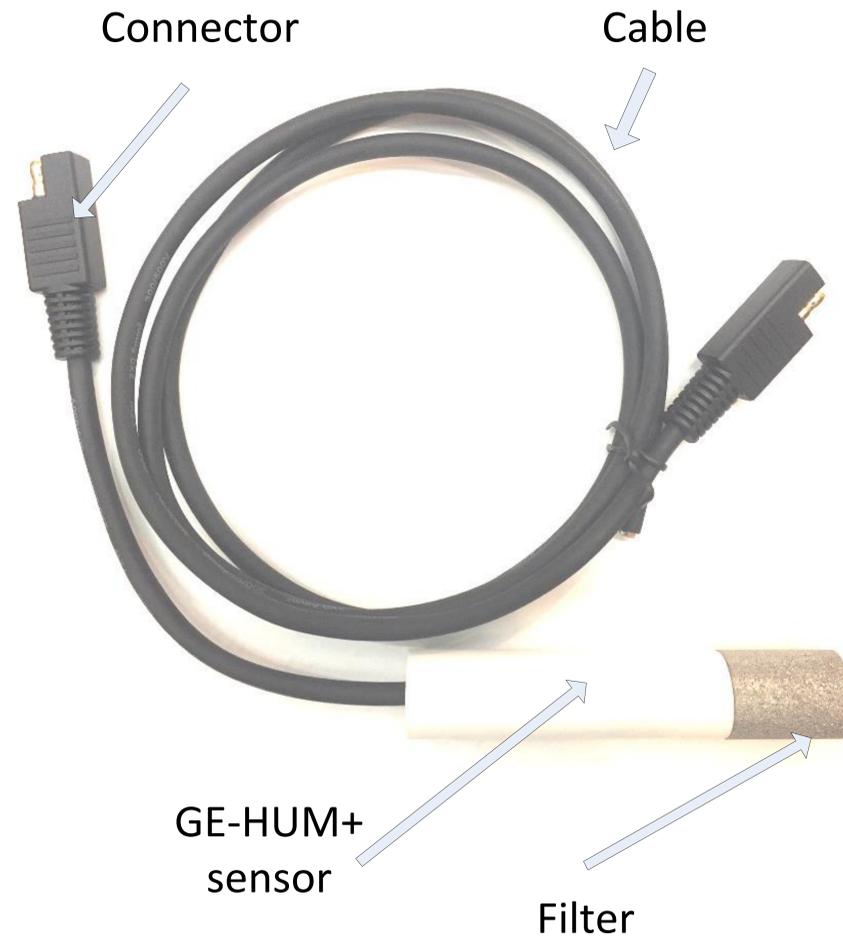


Product Description

By way of a digital MGCB port, the GE-HUM+ sends to the controller the humidity level and both the exterior and interior temperature of a building. Using its integrated and highly accurate sensor, the GE-HUM+ measures the relative humidity from 0 to 100RH% and temperature from -40 to +122°F (-40 to +50°C).

The GE-HUM+ has been specially designed to be used inside or outside livestock buildings. Its detachable gold-plated connector prevents its oxidation and allows the probe to be safely removed during pressure wash of the building. A sintered stainless steel filter prevents dust from reaching the sensor.

Installation is simplified through the use of 2-wire communication cabling of a maximum length of 820 feet (250 m). The GE-HUM+ probe does not require a power source, being powered through the communication cabling.



MGCB+ GE-HUM+ cable

MGCB-

CAUTION: During building cleaning procedures, **Never directly spray water on the GE-HUM+.** If liquid water gets on the GE-HUM+, it can be damaged or produce erroneous humidity readings. It is recommended that you disconnect the GE-HUM+ and place it in a safe location.



Installation inside a building

Suspend the GE-HUM+ probe from the ceiling using its connection cable, at a height of approximately 6.5 feet (2 m).

Installation outside a building

Suspend the GE-HUM+ probe under the building's north-facing cornice or ledge. For an accurate temperature and humidity reading, it is important for the probe to be shielded from rain or direct sunlight.

Cabling

Use shielded AWG #22 wires, low capacitance (Capacitance between conductors @ 1 kHz = 24 pF/foot), TWISTED (8 twists per foot), HAVING A MAXIMUM LENGTH OF 820 feet (250 m) (Ex.: BELDEN 8761). The following maximum capacitances must be respected depending on which communication card is used in your controller: Card 1276A1 or 1276B1 : 10 nF. Card 1199A1 or 1199B1 : 26 nF. Card 1199C1, 1199C2, 1276C1, 1276D1, 1276D2 : 125 nF.

Card not listed above : 26 nF.

Specifications

Humidity

Reading range: 0-100RH%
 Precision: TYP ± 2 RH%, MAX ± 3 RH% @77°F(25°C) (20RH% to 80RH%)
 Stability: Drift of 0.5RH%/year
 Resolution: 1 RH%
 Response time: 4 minutes (used as exterior sensor)
 10 seconds (used as interior sensor)

Temperature

Reading range: -40 to +122°F (-40°C to +50°C)
 Precision: TYP ± 0.5 °F(± 0.3 °C), MAX ± 0.7 °F (± 0.4 °C) (from 5°C to 60°C)
 Resolution: ± 0.1 °
 Response time: 4 minutes (used as exterior sensor)
 10 seconds (used as interior sensor)

Dimensions

Length: 6.8" (17 cm)
 Cable length: 15 feet (5 m)
 Weight: 0.5 lbs. (250 g)

IP 54 Protection (Against dust/Water jets)