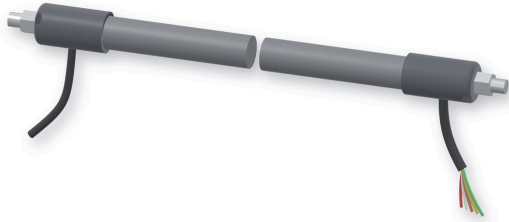


A 16 ft, 240 V heated hose for AD31 hand guns. 12 pin connector at the melter end, five flying leads at the hand gun.



AD31 hand gun hose (illustration, not to scale)

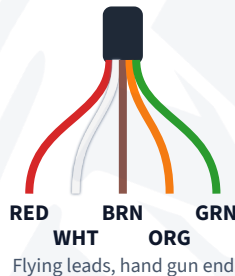
Specifications

Hose type	AD31 hand gun hose
Length	16 ft
Voltage	240 V
Hose core (inside diameter)	5/16 in (#6)
Hydraulic fitting	9/16-18 JIC female, 11/16 in flats
Hose heater rating	27 W per ft (±5%)
Hose heater wattage	432 W nominal (16 ft)
RTD sensor	Ni120
Melter connector	12 pin
Applicator connector	Flying leads
Used on	AD31 hand guns

Connector faces



12 pin, melter end



Flying leads, hand gun end

- Gun heater ● Hose heater ● Gun sensor ● Hose sensor
- Shared sensor (RTD common) ● Ground ○ Not used

Hose side faces, looking into the connector. The ground symbol on the 12 pin face is pin 7. Leads: heater red and white, sensor brown and orange, ground green.

Connectors

- 12 pin, melter end: rectangular, 12 pins plus ground in four keyed pockets. HMSC connector body and shell.
- Flying leads, hand gun end: five loose wires, no connector. Heater red and white, sensor brown and orange, ground green.

Hoses carry line voltage and hot adhesive under pressure. Lock out power, relieve system pressure and let the hose cool before disconnecting connectors or fittings.

Assembly

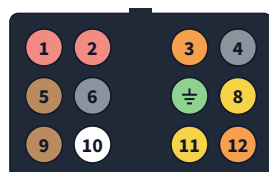
- Melter connector, 12 pin
- Hose cuff, melter side
- Heated hose
- Hose cuff, applicator side
- Hose fitting
- Flying leads to the hand gun

Identify a hose by the connectors on each end. The melter end of every packaging, washdown and hand gun hose is the same 12 pin connector, so look at the applicator end first.

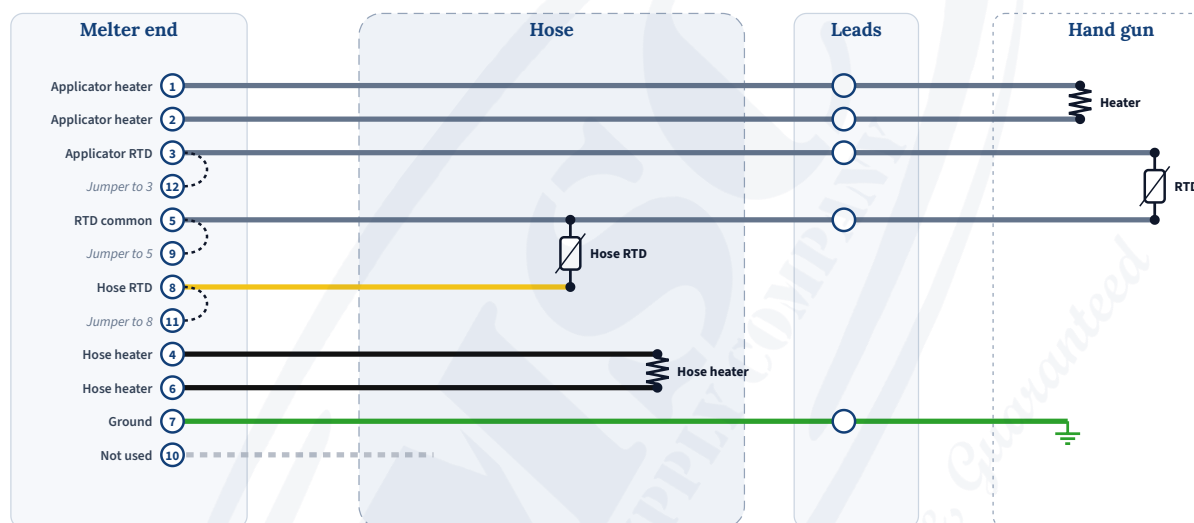




Wiring diagram



12 pin, melter end (face view)



Pinout

Melter pin	Function	Hand gun end
1	Applicator heater	Heater lead
2	Applicator heater	Heater lead
3, 12	Applicator RTD	Sensor lead
5, 9	RTD common	Sensor lead
8, 11	Hose RTD	In the hose
4	Hose heater	In the hose
6	Hose heater	In the hose
7	Ground	Ground lead
10	Not used	

Reading the diagram

- Melter end on the left, hand gun on the right.
- Dotted lines are jumpers inside the 12 pin connector: 12 to 3, 9 to 5, 11 to 8. Jumpered pins are listed together in the pinout.
- The hose heater and hose RTD wires end inside the hose.
- Lead wires are drawn gray. The heater leads are red and white, the sensor leads brown and orange, the ground lead green.
- Connector faces are shown on page 1.

Hoses carry line voltage and hot adhesive under pressure. Lock out power, relieve system pressure and let the hose cool before disconnecting connectors or fittings.

We build hoses to order. For another length, voltage or connector, call 1-888-202-1788 or email sales@hotmeltsupplyco.com with the Nordson part number, or tell us the connectors on each end, length, voltage, hose diameter and sensor type.