



SP34-H

Electrically Heated Sample Probe Tube Series SP®

Version SP34-H for portable gas sample probe PSP4000-H

Special Features

- **Completely heated sample tube**
- **Non-heated pre-filters or extensions possible**
- **Easy mounting**
- **Standard: with thermostat controller**
- **Optionally: thermocouple Fe-CuNi or PT100**

Application

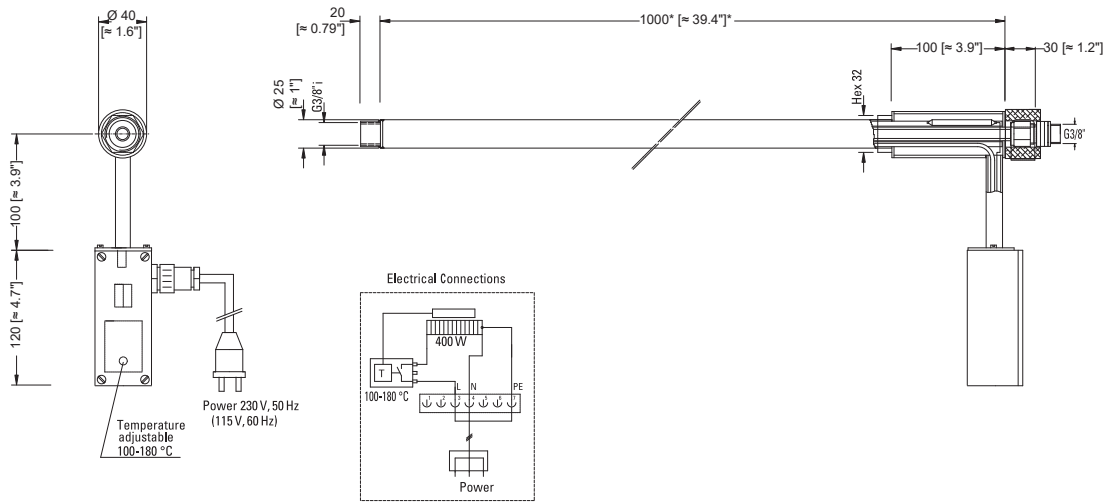
The electrically heated M&C sample tube SP34-H is used in portable sampling systems wherever cooling down of the temperature or falling below the dew point is to be avoided during gas sampling from the sampling point to the heated gas sample probe PSP4000-H.

Description

The standard length of the heated M&C double-jacket tube SP34 is 1000 mm [3.3 ft]. Other tube lengths are available on request.

The sample tube is screwed into the inlet of the gas sample probe PSP4000-H with a G 3/8" male thread connection. At the other end of the double-jacket sample tube, there is a G 3/8" female connection into which a non-heated sample tube or a pre-filter can be screwed as required. The electrical heating of the sample tube SP34-H is separated from the process in a double-jacket tube

An adjustable capillary thermostat for temperature control ranging from 100 to 180 °C [212 to 356 °F] is provided in the attached terminal box of the standard version. In this case, an external temperature controller is not needed. The versions with thermocouple or PT100 require an external temperature controller.



Dimensions in mm

Technical Data

	SP 34-H	SP 34-H1.1	SP 34-H2
Part No.	40S9115	40S9120	40S9125
Temperature sensor	Capillary sensor	Fe-CuNi	PT100
Temperature controller	Capillary thermostat	Optional, external	
Tube length	1 m [≈ 3.3 ft] standard		
Connections	IN G 3/8" female thread, OUT G 3/8" male thread, DIN ISO 228/T		
Material	Stainless steel SS 316Ti		
Controller temperature max.	180 °C [356 °F]		
Sample temperature max.	400 °C [752°F]		
Ambient temperature (controller)	-20 to +60 °C [-4 to 140 °F]		
Power supply	230 V 50 Hz 400 W, with 4 m [≈ 13.1 ft] cable / 115 V 60 Hz		
Degree of protection/electrical equipment standard	IP54 EN 60529/EN 61010, EN 60519-1		
Option			
Part No. 02S9036	Extra charge for SP34-H with power supply 115 V 60 Hz		