SPECIFICATIONS

Simplex AIO-SC RF Probe Specification



Dimensions	147mm maximum Diameter (including handle) by 728mm long for 540mm insertion length.
Process Temperature	Up to 165°C maximum for 30 minutes (Steam cleaning)
Power Supply	22 to 28V d.c. (24V d.c. nominal)
Output Signal	4 to 20mA (two-wire transmitter) into a maximum external resistance of 500Ω. Maximum output signal is limited to 23.5mA.
Environmental	Case protection to IP65 when plug is connected. Maximum operating ambient temperature 80°C for 24hrs.
Massecuite Purity	Up to 96% massecuite purity.
Approvals	In compliance with the EMC directive 89/336/EEC in accordance with EN55022:1987 & BS6527:1988.
Probe Length	Available in standard insertion length of 540mm, other lengths can be supplied by special request.
Process Contact Materials	316 Stainless steel and PTFE.
Process Connection	Mounting on to CVP by 4 bolt flange on to welded in pad. 4 x M6 Allen fixing bolts 20mm long with spring washers are supplied. Note: This is not a quick release fitting; the probe must not be removed during pan operations.
Hot Water Connection	3/8" BSP female thread to the included check valve (1 bar differential to open). Hot water pressure 6 to 40 psig (0.43 to 2.7 barg) max temperature 105°C. Water supply must be screened to a maximum mesh size of 2mm
Equipment Supplied	1 x AIO-SC Probe, 1 x ⅜" Check valve, 4 x M6 cap screws 20mm long with spring washers and 3m power/signal 2 core screened cable.

OPTIONAL EQUIPMENT

Installation Kit:

Consisting of, 1 off ⅜" BSP isolating valve. 3 m of ½" high temperature hose, 1 off ½" 2mm mesh strainer, 1 off ½" isolating valve and all the required connecting fittings and seals.
The hot water supply must be screened by minimum 2mm mesh filter.

Calibrator:

Each Simplex calibrator is supplied with a test connection lead for calibrating the PCB.

