



Tecal 425S/H

These calibrators use large aluminium Heater blocks to give fast heating and cooling rates which provide high accuracy, uniformity and stability up to 425°C.

S Version: Set required Temperature and Calibrate

H Version: Set required Temperature and Calibrate also programmable for switch test and ramp rate etc.

Both 425 models are equipped with a large fan in order to quickly cool the blocks to 20 degrees above ambient. Suitable for many applications in both the field and laboratory .

Technical Specification

Minimum temperature	20°C above ambient
Maximum temperature	425°C
Temperature accuracy in measuring zone	±0.3°C
Temperature uniformity in measuring zone	±0.2°C ¹
Measuring zone	0 to 50mm from base of well
Temperature stability after 10min	±0.05°C
Display resolution	0.1°C
Heating rate, 20°C to 400°C (230/120v)	15 minutes
Cooling rate, 400°C to 100°C	25 minutes
Programmable ramp rate, °C/min	0.1 to 10, on H version
Switch test	on H version
Fan cooling	Automatic
Comms port, 9 way D type	Full bi-directional RS-232
Weight, kg	9.2(S), 9.6(H)
Dimensions H x W x D, mm	285 x 190 x 426

¹ At 300°C

 See page 9 for full range of inserts available.

Ordering Information

Product Code	Model	Voltage	Hz	Watts	Net Weight (kg)
FDB425SD	TECAL 425S	230V	50/60	700	9.5
FDB425SP	TECAL 425S	120V	50/60	700	9.5
FDB425SY	TECAL 425S	100V	50/60	500	9.5
FDB425HD	TECAL 425H	230V	50/60	700	10.0
FDB425HP	TECAL 425H	120V	50/60	700	10.0
FDB425HY	TECAL 425H	100V	50/60	500	10.0

Accessories

The Cooling Probe can be used to rapidly cool the insert – chilled water passes through the probe that fits inserts with 10mm ø hole or larger.

Product Code	Model	Net Weight (kg)
FDB00CP	Cooling Probe for 425,650,700X	0.4kg
FCALCASE	Hard Carry case for Tecal H and S models	8.6kg



425S



425H

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