

# Botier mural distance 4-20mA, entre Pt100 1 mtre plomb RTD / PRT. Isolation du cble F/G+SSOB avec plage dmetteur 0-400C



#### TRANSMITTER SPECIFICATION @ 20 °C

##### INPUT

Sensor Type	PT100 100R @ 0°C 2 or 3 Wire
Sensor Range	(-200 to +850) °C (18 to 390) °C
Sensor Connection	Screw terminal
Minimum span (*1)	25°C
Linearisation	BS EN 60751(IEC 751) standard / IISC 1604
Measurement Accuracy (*2)	0.2°C ± 0.05% of Reading
Thermal Drift	0.0025 % / °C
Excitation current	<200 uA
Lead Resistance effect	0.002 °C / Ohm
Maximum lead Resistance	20 Ohms per leg

##### OUTPUT

Output	Type 2 wire (4 to 20) mA current loop
Output range	(4.0 to 20.0) mA
Output Connection	Screw Terminal
Maximum output	21.5mA (in high burnout condition)
Minimum output	<3.9 mA (in low burnout condition)
Accuracy	(mA output / 2000) or 5 uA (Which ever is the greater)
Loop Voltage effect	0.2 uA / V
Thermal drift	1 uA / °C
Maximum output load	[(Vsupply-10)/21]K Ohms (Example: 700 Ohms @ 24V)

##### GENERAL SPECIFICATION

Update time	500 ms
Response Time	1 second
Start up time	4 seconds (1 out < 4 mA during start up)
Warm-up time	1 minutes to full accuracy
Power Supply	(10 to 30) Volts dc

##### PUSH BUTTON CONFIGURATION

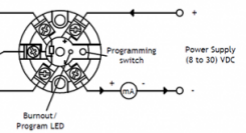
A single push button and LED indicator allows the user to navigate a three menus, allowing configuration of the transmitter. The menus are as follow:-

- Menu 1 Configure range.
- Menu 2 Configure burnout direction.
- Menu 3 Trim output current @ either 4 mA or 20 mA

##### ENVIRONMENTAL

Ambient operating range	(-40 to +85) °C
Ambient storage temperature	(-50 to +90) °C
Ambient humidity range	(10 to 90) % RH non condensing

Note \*1 Any span may be selected, full accuracy is only guaranteed for spans greater than the minimum recommended  
Note \*2 Basic measurement accuracy includes the effects of calibration, linearisation and repeatability



Labfacility are the UK's leading manufacturer of Temperature Sensors, Thermocouple Connectors and associated Temperature Instrumentation and stockings of Thermocouple Cables. The Company has been trading since 1971 and is ISO9001 accredited.

Botier moul en ABS usage gnral, les points de fixation externes offrent un moyen simple et rapide de monter des capteurs directement sur les conduits, sans avoir besoin de plaques de montage spares.

### Spcifications

## Specifications

<b>Product Code</b>	XE-5521-001
<b>General Description</b>	Compatible with Pt100 platinum resistance thermometers
<b>Sensor Type</b>	Surface Mounting for remote installtion
<b>Cable Length</b>	1m
<b>Core / Strands</b>	7/0.2mm
<b>Cable Termination</b>	Bare tails
<b>Thread</b>	Entry Threads M16
<b>Transmitter</b>	Yes
<b>Range</b>	-50°C to +150°C or 0°C to +400°C (either can be re-ranged if desired)
<b>Output</b>	4-20 mA output