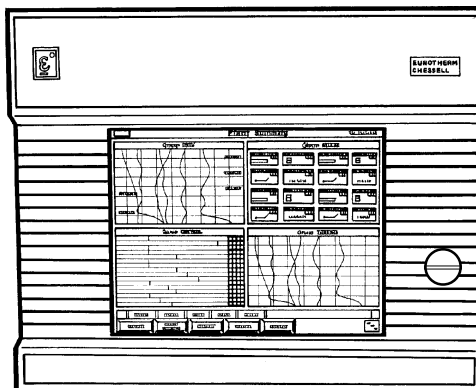


## Provisional data only

- Video graphic display unit
- Touch-sensitive colour LCD screen
- Data storage to PCMCIA memory card
- RS232/485 MODBUS communications
- Over 500 points available using remote I/O racks
- (256 points displayable simultaneously)
- IP65 (NEMA3) rated
- Surface or panel mounting
- Only 50 mm behind panel
- Fast, easy configuration
- High speed processing



The Eurotherm Chessell 4250D, high specification, video graphic display unit combines the latest technology with the proven reliability for which Chessell are renowned. With an IP65 rating, the instrument meets the rigorous requirements of an industrial environment so the unit is ideal for production and test purposes.

### Display

The back-lit VGA liquid crystal display uses tough thin-film transistor (TFT) technology to give exceptionally vivid colour and clarity unmatched by conventional CRT displays. The 4250D provides a menu of pre-configured display pages, arranged in a hierarchical system which begins with the plant summary. The instrument supports eight areas, each of which can consist of 16 groups of 16 channels each.

The display pages include a dedicated alarm summary screen which can be accessed from any other screen by the touch of a fixed key. The display can show process values in a choice of three formats: strip chart, bar-graph and numerical.

### Configuration

A password protected configuration menu, using plain English prompts (French and German also selectable), gives access to all display variables, allowing easy configuration and adjustment in the field. PC software is available for off-line configuration changes, which can be transferred over a direct link or by using a memory card.

### Alarms

Up to four alarms are available per channel. These alarms can be configured as absolute high/low, rate of change rising/falling, deviation in/out or digital change of state. All alarm setpoints are scanned every second. A status bar, visible on every display page shows any group with an active alarm. The alarm summary screen(s) can show up to 256 alarms in pages of 16 each.

### Options

#### Memory Card Archiving

Use of the widely accepted PCMCIA standard allows data to be stored in a format readable by commercial spreadsheet packages. Alternatively data can be stored in a format which allows multiple copies to be produced on the chart. The recorder's configuration can also be stored on the card for transfer to another recorder or to a PC for manipulation using the PC configuration editor.

#### Networking software

The 4250D is connected to up to eight remote units, via an XIODL highway. This allows upto 512 points to be accessed from 4180M or 4250M recorders, or 4000R I/O racks.

All points may be accessed using the optional MODBUS protocol to communicate with most SCADA packages.

Provisional data only

**Model 4250D  
Specification  
sheet**

# TECHNICAL SPECIFICATION

## Environmental Performance

General	To BS2011: 1981
Temperature limits	Operation: 0 to + 40 °C Storage: -20 to +70 °C
Humidity	Operation/Storage: 5 to 85% RH; non-condensing
Protection	IP65
Shock	BS EN61010 1990 (safety); IEC 873: 1986
Vibration	BS EN61010 1990 (safety); IEC 873: 1986.

## Electromagnetic compatibility (EMC)

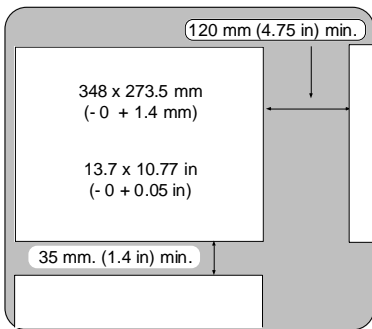
Static	IEC801.2: 15 kV (door open)
R.F. Emissions	To EN 55022 level B
Fast transients	IEC 801.4. Level 3: <40µV deviation. Level 4: Recovers without operator inter- vention.
R.F. Immunity	IEC 801.3 <40 µV deviation.
Electrical Safety	To BS EN61010: 1990 Class 1 Installa- tion category II; pollution degree 2.

## Physical

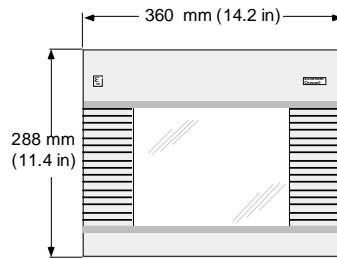
Bezel size (mm)	288 high x 360 wide x 68 deep.
Panel cutout size	273.5 high x 348 wide (+ 1.4 - 0)
Depth behind bezel rear face	50 mm
Weight	5kg max.

## Power requirements:

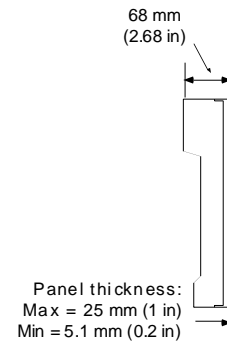
Line voltage (45 to 65 Hertz)	90 to 132 Volts or 180 to 264 Volts (User selectable).
Maximum power	?
Fuse type	Ceramic 1" x 1/4" 3 Ampere.
Interrupt protection	100 ms



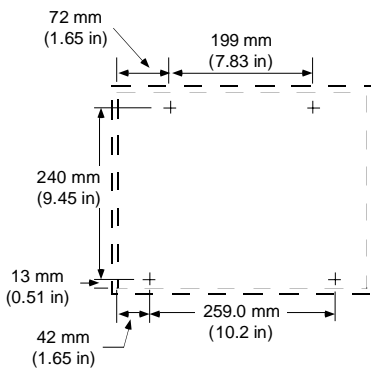
**Panel cutout**



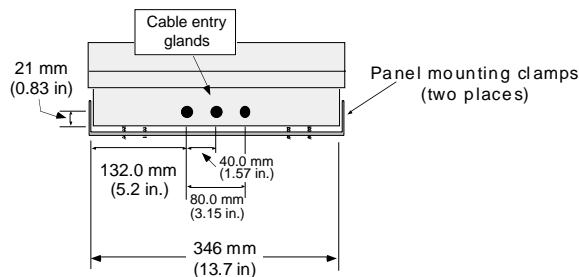
**Front view**



**View on**



**Wall mounting centres**



**View on underside**

