

# SmartLoad<sup>®</sup> load monitoring indicators and displays



**Scotload has a wide range of load monitoring indicators, handsets and displays to improve your workplace safety, reduce downtime and lower operational costs.**

Using the latest SmartLoad<sup>®</sup> technology we can provide safe and hazardous area zone 1 and 2, wireless indicators; handsets and displays.

### Features and benefits

- Only one handset required to connect to links, shackles and other load cells
- Automatically detects all cells in range
- Live simultaneous display of multiple cells
- Displays average and total readings
- Intuitive menu driven flexible display
- Optional start / stop logging from handset
- Peak reading and tare display
- Increased range
- Reduced interference
- Variable overload audio alarm
- Individual load cell naming facility

### SmartLoad<sup>®</sup> handsets

A SmartLoad<sup>®</sup> handset is wireless and comes with a fully intuitive menu driven display and SmartLoad<sup>®</sup> technology which provides the user with total system control and flexibility. SmartLoad<sup>®</sup> handsets can be provided to suit safe or hazardous area zone 1 and 2 environments. A signal booster option is also available to extend the wireless range.

Typical specifications	Safe area	Hazardous zone 1 & 2
Display	69mm / 128 x 64 pixel LCD display. LED backlight	69mm / 128 x 64 pixel OLED display
IP rating	IP67	IP67
Operating temperature	-20°C to +40°C	-20°C to +40°C
Storage temperature	-20°C to +70°C	-20°C to +70°C
Dimensions	165mm x 85mm x 49mm	165mm x 85mm x 49mm
Antenna	Integral	Integral
Power supply voltage	3.0 to 7.2V DC	3.0 to 7.2V DC
Supply current (active)	300 mA peak	300 mA peak
Supply current (active)	100 mA average	100 mA average
Battery type	4 x AA alkaline	4 x AA alkaline – Duracell plus power or Industrial by Duracell
Battery life (typical) Continuous Operation	30 hours	30 hours
Battery life (typical) Standby mode (powered off)	10 months	10 months
Certified to	N/A	PROTECTION CONCEPT: INTRINSIC SAFETY CLASSIFICATION: GROUP IIB CERTIFICATION: IECEx BAS 15.0123 IECEx BAS 15.0124

### SmartLoad® wall mounted displays

Smartload® wall mounted displays can be provided to suit safe or hazardous areas zone 1 and 2 environments in both wireless and cabled versions. Safe area displays are supplied with standard power mains +24VDC with option of 1x RS485 and 1x RS232 serial output.

### SmartLoad® wall mounted display options on request:

- Large digit display with a serial port can be integrated into a SmartLoad wall mounted display.
- The analogue output options can be extended.
- An AC power supply can be provided with a use of a junction conversion unit.

Typical specifications	Safe area	Hazardous zone 1 & 2
Display	106 mm 240 x 128 pixel LCD display, LED backlight	101 mm 480 x 272 pixel LCD display, LED backlight
IP rating	IP67	IP66
Operating temperature range	-20 to +50°C	
Storage temperature	-20 to +70°C	
Dimensions	160 x 160 x 81 mm	276 x 276 x 190 mm
Antenna	Integral	
Serial Communication	RS 485/RS 232	N/A
Analogue Output	0 to 1.5V	N/A
Power supply voltage	+24V DC	110 / 240 AC
Supply current (active)	300 mA peak	1A
Supply current (average)	110 mA average	N/A
Digital I/O	4 channels	2 channels

