

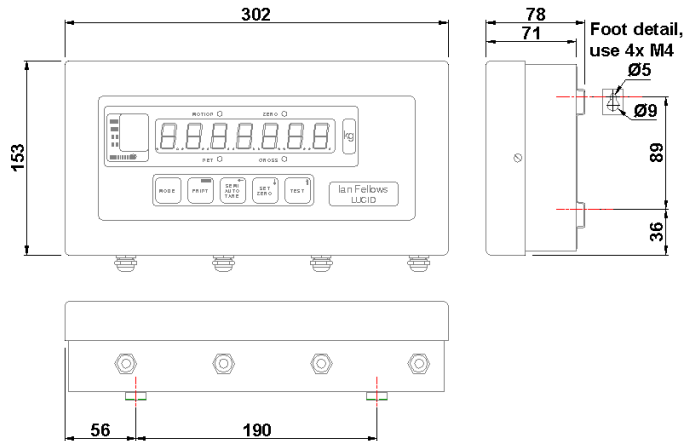
Lucid Data Sheet



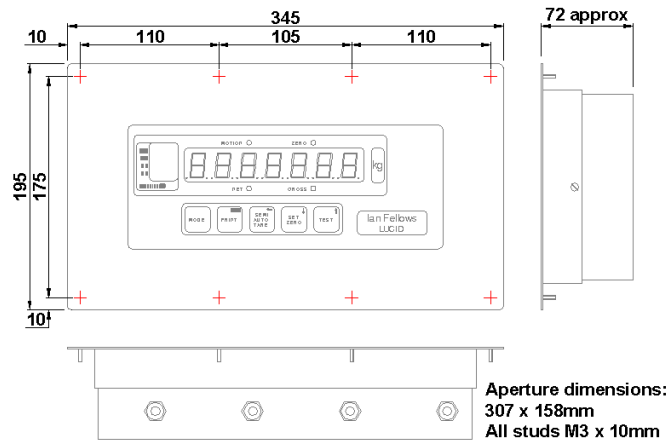
- Features**
- Unrivalled reputation.
 - 7 Digit, bright, easy to read, large LED display.
 - Stainless steel enclosure with integrated wall mounting brackets.
 - Trade Approved for any R60 loadcells.
 - Trade Approved for many legacy loadcells.
 - High resolution weighing performance.
 - Linearity adjustment.
 - Accommodates extremes of dead load and signal.
 - Superb digital weight filtering.
 - x10 resolution test mode.
 - Configuration via front panel or serial communication.
 - Two serial ports, printer port can be used for remote display.
 - Memory tares, semi automatic tare and set zero functions.
 - 2 internal relay outputs, 2 opto-coupled inputs as standard.
 - Real time clock as standard.
 - Versatile print formatting.
 - PLU's recalling A/N text, setpoints, part weights and totals.
 - Multi-drop communications.
 - Sophisticated fill control with fast cut off and predictive software.
 - Variety of setpoint operating modes.
 - Many advanced software features.

- Options**
- Flange mount version.
 - Analogue output.
 - Flash Electronic Tally Record (Alibi device).
 - kg/lb version.
 - Axle weighing version.
 - ModBus.

Lucid Dimensions



Lucid Flange Dimensions



Specifications

General Specifications	Display	mm	7 Red LED digits 20mm
	Front Panel		Membrane with tactile metal domes, Beep response, 5 button operation.
	Annunciators		4 LEDS (Motion/Zero/Net/Gross)
	Internal Resolution,	counts	20 bit ADC (1:1,000,000)
	Maximum Display Resolution (trade)	divisions	10,000
	Maximum Display Resolution (non-trade)	divisions	1,000,000 (x 10 test mode)
	EC Approvals OIML Class III + IIII	certificate	NMI T2532 TC 2489 NWML UK 2489
	Input Signal Range	mV/V	-4.5 → 4.5
	Zero Offset Range	%	100% of Input Signal Range
	ADC Conversion Rate	Hz	50
	Linearity error	%FS	< ± 0.0007%
	Differential non linearity		± 0.5 LSB
	Span temperature coefficient	ppm/°C	1
	Zero temperature coefficient	uV/°C	0.005
	Power consumption (typical)	W	5-10
	Common Mode Rejection (@50Hz)	dB	200
	Power Supply Rejection (@50Hz)	dB	120
	Operating voltage	VAC	230/115Vac* 12-28Vdc*
	Weight	kg	3kg (shipping 3.5kg)
Transducer Input Specifications	Transducer type (4 or 6 wire)		Resistive, full bridge
	Transducer input resistance	Ω	min 43Ω (up to 8 x 350Ω cells)
	Excitation voltage	Vdc	10 (nominal)
	Minimum signal requirement (approved)	μV/e.	1
	Minimum signal requirement (non-approved)	μV/e	0.2
Input impedance	MΩ	≥ 20 (sense and signal)	
Serial Communication	Communication Ports		1.Comms RS232 or RS485 (or RS422*) 2.Printer RS232 (TX/Busy)
	Baud rate	bits/sec	2400, 4800, 9600,
	Protocol		7/8 data bits, odd/even/no parity, 1/2 stop bits
	Maximum continuous data rate (test mode)	Hz	50
	Communication protocol		Ascii or ModBus*
Environment	Operating Temperature	°C	-10 → +40
	Storage Temperature	°C	-10 → +70
	EMC Immunity /Emissions		EN45501, EN55022
	Sealing		IP66
	Case		Grained 304 Stainless Steel Integrated mounting Brackets
	Cable Glands		4 off PG7
I/O	Analogue output* 0-10V or 4-20ma		15 bit (adjustable range) Max drive load for 4-20mA 900Ω (active)/1200Ω (passive)
	Inputs	2 (1*)	DC opto coupled <6V off; >10 -30V on
	Outputs	2 (3*)	2 Relays – various types available (1 Darlington type transistor*)

* According to specification

Visit our website www.ianfellows.co.uk for manuals and application notes

Ian Fellows
3 D/E Centurion Way
Crusader Park
Warminster
BA12 8BT

Website www.ianfellows.co.uk

Tel. +44 (0)1985 218675