Easy-Reader   Economy Large Displays

Save time and money with this range of low cost general purpose large displays. Their simple yet rugged design gives long term reliability and smart appearance. Calibration and commissioning is made easy with the unique INTUITIVE menu-free programming system.

11 reasons to choose the EasyReader...

- Smart styling
- Clear, bright display
- Broad range of models
- Low maintenance costs
- Lowest cost large display
- Fast, free technical support
- High immunity to interference
- Easy to use, menu-free setup
- Lockout system to save your settings
- Can be configured from the front panel
- Long warranty, extendable free of charge

10 Display Functions

- Total
- Rate
- Process
- Weight (with amplifier or weigh-head)
- Slave display from RS232, RS485 etc.
- Frequency
- Temperature (with external converter)
- Humidity (with external converter)
- Power (with external converter)
- Pressure

4 Input Signal types

- 4-20mA, 0-10V, 1-5V etc
- Pulses PNP, NPN, Contact etc
- Serial Data RS232, 485, 422 etc.
- BCD data, via model PSC1

2 digit sizes

- 57 mm for up to 25 metres viewing
- 102mm for up to 50 metres viewing

Installing the 102mm version...

A simple and affordable way to easily see and share important measurements over distances up to 50 metres.
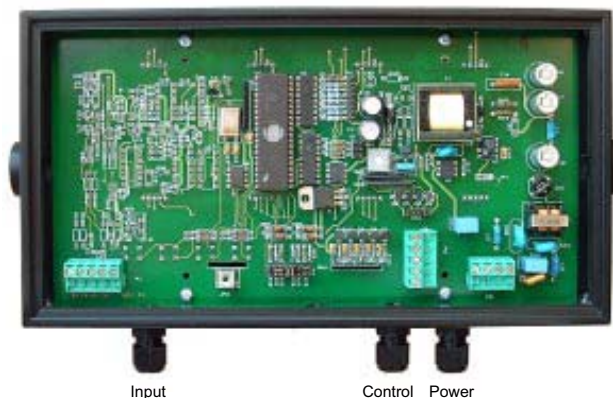
Help your workforce to keep in touch with what is happening . Measurements can be seen up to 50 metres away. Ideal for displaying your important plant variables such as:-

- * Production rate - are we working fast enough?
- * Production total and target - have we made enough?
- * Temperature and humidity in controlled environments
- * Crane lifting weight - are we within safe limits?
- * Weighbridge load - the driver can stay in his cab.
- * Any physical variable important to your process

All the signal conditioning, power supply and display circuitry is included in the enclosure, so installation is simple and tidy.

Just apply power (95-265 VAC) and connect your input signal to get precise display of your process variables.

You can wall-mount or suspend these displays. Tell us how you want to mount your display when you order, and we'll supply the mounting brackets free of charge.

A look inside the rear case of the 57mm version.

Here you can see the neat and simple layout.

Cables come into the enclosure through 3 glands at the bottom of the case. Detachable screw terminals make installation easy and fast.

You fit a closing-plate to seal the enclosure after you have finished your wiring.

Input   Control   Power

Specifications for the EasyReader range.

	57mm digit height gives 25 metres viewing max.	102mm digit height gives 50 metres viewing max.
Model numbers:		
Process input	ER2P	ER4P
Rate / Total	ER2C	ER4C
Serial data input	ER2S	ER4S
Mechanical:		
Case size	260mmW x 140mmH	415mmW x 195mmH
Depth f-b	45 mm	45 mm
Weight	2kg	3kg

Input Signals:

Models ER2P and ER4P

Ranges	4-20mA, 0-10V and 1-5V DC as standard, fully scalable.
Scaling method	INTUITIVE menu-free digital scaling. Settings stored in non volatile memory.
Input resistance	33 Ohms for current inputs, 1 Megohm for voltage inputs.
Excitation	24VDC nominal, at up to 30mA
Accuracy	+/- 0.1% of range +/-1 count at 25C. Tempco +/-100ppm/C zero and span.
Read-rate	3 per second nominal
Filtering	Signal averaging period adjustable from 0 to 5 seconds
Count-by	Can be set to count by 1,2,5,10,20 or 50
Features	Tare, Peak, Valley and reset from front panel or with remote contact closures

Models ER2C and ER4C

Signal types	NPN, PNP or contact closure, from proximity sensors, switches, relays etc.
Functions	Counting and pulse rate, fully scalable.
Scaling method	INTUITIVE menu-free digital scaling. Settings stored in non volatile memory.
Excitation	24VDC nominal, at up to 50mA
Accuracy(rate)	+/- 0.05% of range +/-1 count at 25C. Tempco +/-50ppm/C zero and span.
Read-rate	3 per second nominal
Filtering(rate)	Signal averaging period adjustable from 0 to 5 seconds
Features	Peak, Valley and reset from front panel or with remote contact closures

Models ER2S and ER4S

Signal types	ASCII data from 300 to 9600 baud. RS232, RS485, RS422 and TTY types.
Addressing	From 00 to FF
Protocol	Adjustable to suit a wide range of data sources.
Accuracy	Precise copy of incoming data.
Read-rate	Display updates with each incoming data string.
Features	Tare, Peak, Valley and reset from front panel or with remote contact closures

Materials:

Case	uPVC welded extrusion
Lens	Anti-reflective tinted acrylic

Environment:

Working temperature	0 to 50 degrees C
Storage temperature	-20 to +70 degrees C
Humidity	0 to 95 %rh non condensing
Sealing	IP54 dust tight
Atmosphere	Non-flammable, non explosive

Ordering code:

Choose a model and a mounting method.

57mm process display	ER2P		
102mm process display	ER4P		
57mm counter/ratemeter	ER2C	-2	Wall Mounting
102mm counter/ratemeter	ER4C	-3	Suspension mounting
57mm Serial ASCII slave	ER2S		
102mm Serial ASCII slave	ER4S		

For example model ER4P-2 is a wall mounting 102mm process display