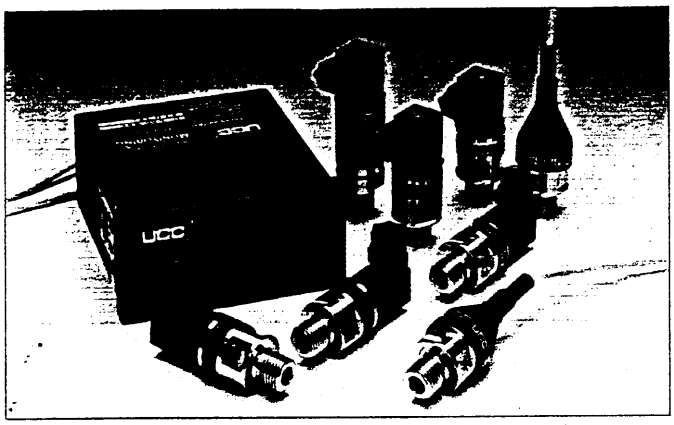
A comprehensive range of Transducers and Transmitters from UCC



WHY SHOULD YOU USE UCC TRANSDUCERS AND TRANSMITTERS?

UCC pressure sensors break new barriers of cost-effectiveness, providing a high level amplified signal compatible with most interface equipment.
Manufactured to be rugged and reliable, UCC Transducers and Transmitters are compact by comparison with traditional sensors providing installation flexibility, by focusing on size and weight at the design stage.
High grade engineering stainless steel used in all Transducers and Transmitters ensures an almost total media compatibility, with sensors already at work in the world's hostile environments such as off-shore, quarrying, marine and many mobile applications above and below ground.

The UCC range of Transmitters has been subjected to the same exhaustive programme of development testing as instigated for the Pressure Transducers. Standard procedure at UCC but beyond the standard found elsewhere in the industry.
Internationally approved hydraulic test and measurement rigs have proven sensor reliability and durability. One million service cycles from zero to full range pressure with the emphasis on body fatigue and bridge stability.
Comprehensive testing, not a reliance on mathematical calculation.

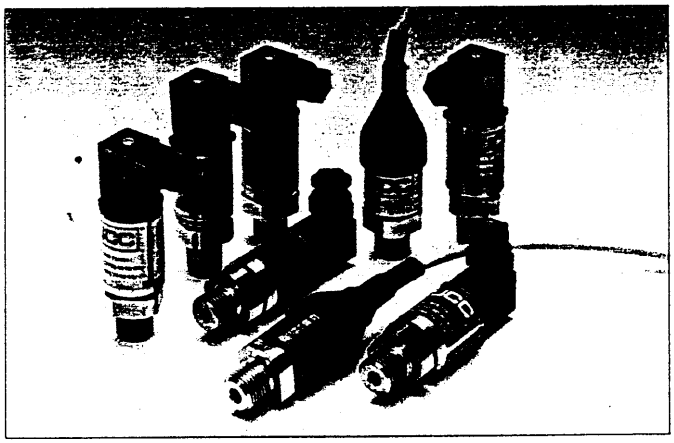
PRESSURE TRANSDUCERS

- Uses the latest strain gauge technology.
- One-piece body and diaphragm machining ensures long-term product stability.
- All stainless steel construction.
- Rugged and simple to install Micro DIN electrical connection.
- Range now available with flying leads.
- 20mV and 5V output options.
- 6 pressure ratings.
- Accepts 10–30V dc unregulated supply.
- Can be specified a matched pair with LED display.

Specify a UCC Pressure Transducer or Transmitter. The range is extensive and the manufacturing emphasis is on design and cost-effectiveness.
From the simplest monitoring through to the most complex process control and data acquisition system, there is a Transducer or Transmitter specification to suit the application.

PRESSURE TRANSMITTERS

- Uses the latest strain gauge technology.
- One-piece body and diaphragm machining ensures long-term product stability.
- All stainless steel construction.
- 2-wire 4–20mA output – 6 pressure ratings.
- Micro DIN electrical connection. Now available with flying leads.
- Compatible with process loop power supplies.
- Closely controlled span and zero tolerances.
- Million cycle tested.



The UCC range of high level signal Transmitters provide a true 2-wire 4-20mA current output to the standard demanded by industry monitoring between 0 and 400 bar.
A custom design strain gauge in an all stainless steel, one-piece body ensures a quality product with superior long term stability and fatigue life.
UCC Transmitters offer system designers closely controlled zero and span tolerances and a combined accuracy of ±0.5%. As with UCC Transducers, Transmitters have been subjected, in development, to testing techniques that will ensure reliability and durability including one million pressure cycle testing.

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The application flexibility of the dual set-point alarm module

- Provides further dual alarm output facilities by adding additional modules.
- Useful feature to provide system 'hours in operation' data.

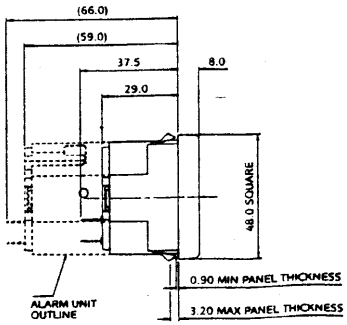
THE DUAL SET-POINT MODULE 'DOCKS' EASILY AND SECURELY ONTO THE INDICATOR.

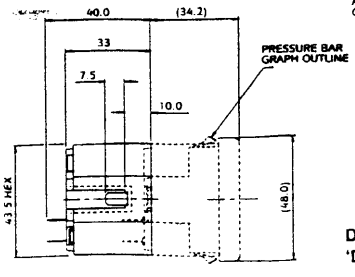
Bar Graph Indicator Specifications

Construction:	Housing – Nylon 6/6, Window – Acrylic, Bezel/ Board supports – ABS, Pins – Phosphor bronze
Power Supply:	10 – 30 volts DC. (Linked to PTD excitation)
Signal Input:	0 – 5 volts DC from UCC PTD.XXX121
Cutout Size:	45.6mm x 45.6mm
Fixing:	Push fit panel thickness 0.9mm to 3.2mm
Sealing:	Designed to IP50 standard. NB. Front face may be silicon sealed after LED configuration.
Scale:	Supplied 0 – 100% in horizontal For other scales, in volume, consult UCC. Legend available blank for customer's own descriptions.
Lamp Intensity:	4mcd each
Front Viewing:	Polarized
Weight:	29gms

Installation details

BAR GRAPH INDICATOR





DUAL SET POINT MODULE IN 'DOCKED' POSITION

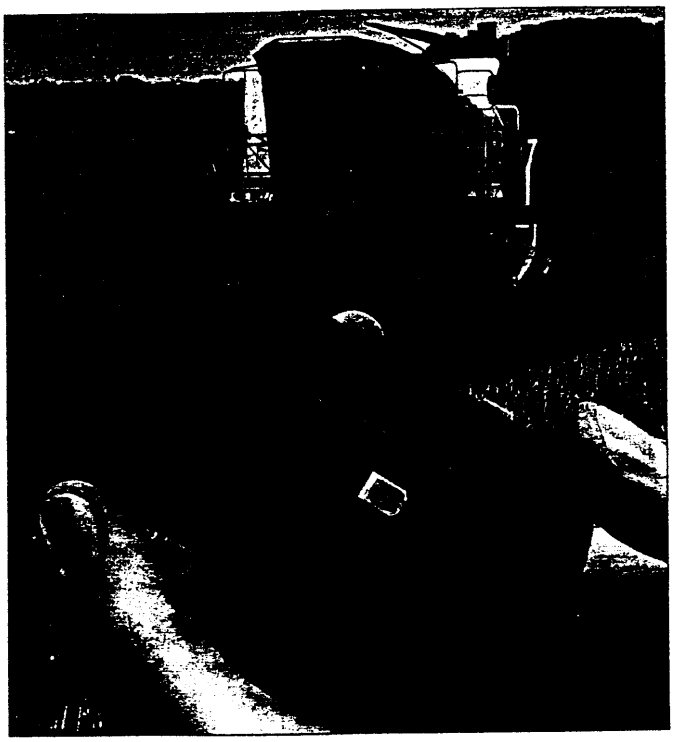
ONCE CONNECTED THE TWO UNITS OPERATE AS ONE AND ADDITIONAL MODULES CAN BE 'DOCKED' ON.

DUAL SET POINT MODULE

If it is considered that the indicator will replace a pressure gauge then, with the addition of a dual set point module, pressure switches can also be removed providing switched outputs from the same sensor. A low pressure level can be particularly useful for hours-run counters, giving accurate detail of how many hours a system has been in operation. This option is designed to 'dock' directly onto the rear of the indicator (see photographs) with no additional wiring or mounting considerations.

SCALING MODULE OPTION

As an alternative format, if the unit should require, typically, maximum illumination from half pressure transducer range, a Scaling Module option is available. Consult UCC.



Dual Set Point Module Specifications

Construction:	Housing – Nylon 6/6, Terminal pins – Phosphor bronze
Settable Range:	10 to 90% of full scale
Hysteresis	Fixed @ 2% of full scale
Set Points Available:	Two per module. Up to 10 modules per sensor
Set Points:	Open collector Transistor. 30 mA max
Mounting Details:	Push and plug onto bar indicator
Power Supply:	10 – 30Vdc wiring transfers from bar graph
Weight:	19gms

Scaling Module

Scaling Factors:	10% to 100% sensor range. Fully adjustable
Power Supply:	From bar indicator – no wiring needed
Mounting:	Plug onto bar indicator or set point module
Weight:	19gms

Ordering information

Part Number	Description
PBG.8341	Bar Graph Indicator
PAM.8342	Dual Set Point alarm module

Suitable for use with any PTD.XXX121 0–5V UCC Transducer.

713-3292.