

MODEL 120A

FEATURES

- Non-linear Tank Correction
- Four Level Alarms
- Fully Programmable
- Level Bar Graph Display
- Tank Contents Display
- Powered by 4-20mA Loop
- Panel, Wall and Pipe Mounting
- Watertight to IP67 (Nema 4X)
- CE Compliant



LOOP POWERED

Level Monitor



The 120A Level Monitor accepts a 4-20mA signal from a wide range of level sensors, including Pressure Transmitters, Ultrasonic Sensors or Capacitance Probes, and displays both level and tank contents on a large LCD display.



Field Mounting Level Monitor

PROVEN IN THOUSANDS OF FIELD INSTALLATIONS
THROUGHOUT THE WORLD.

The 120A is a high accuracy Level Monitor designed to operate with analogue level sensors. Having an IP67 weatherproof case, tactile keyboard and various mounting options, makes it a very versatile unit.

Solid state relay outputs provide up to four level alarms and a 25 point non-linearity correction table allows the instrument to be programmed to fit most tanks.

The Level Monitor is powered entirely from the 4-20mA current loop and, therefore, requires no external power or batteries.

The instrument is fully programmable with set-up parameters such as span, offset,

alarm levels, etc, stored in a non-volatile memory which will retain all data for more than 10 years without power.

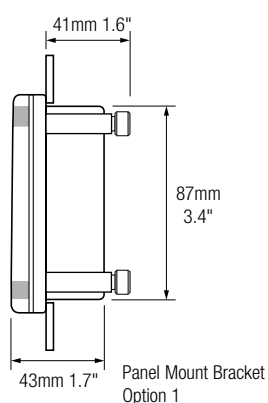
The monitor is housed in a rugged, yet attractive, IP67 (Nema 4X) polycarbonate enclosure which is completely watertight. A wall mounting bracket (no gland holes) is supplied as standard, while panel and pipe mounting brackets are available as options.

DIMENSIONS

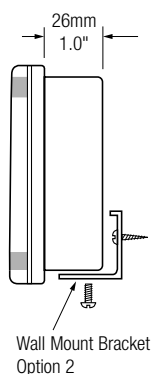
Overall Sizes

151mm (5.9") width
98mm (3.9") height
43mm (1.3") depth

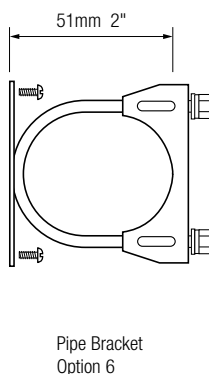
Panel Mount



Wall Mount (standard glands)



Pipe Mount Adapter



TERMINAL DESCRIPTIONS

Terminal Inputs & Outputs			
Number		Number	
1	Low-low Alarm (-)	7	High Alarm (-) or Pulse (-)
2	Low-low Alarm (+)	8	High Alarm (+) or Pulse (+)
3	4-20ma Input (-)	9	High-high Alarm (-)
4	4-20ma Input (+)	10	High-high Alarm (+)
5	Low Alarm (-)		
6	Low Alarm (+)		

PRODUCT CODES

Product Code & Mounting Types		
120A	•	Level Monitor
Enclosure	0	Wall Mounting (no gland holes)
Mounting	1	Panel Mount Brackets
	2	Wall Mounting (standard glands)
	6	Pipe Mount Adapter

Typical Part Number: 120A .2

Instruments within the Contrec family:

100 Series – Accurate process instruments for field mounting applications

200 Series – Intrinsically safe, precise and reliable process instruments

400 Series – Rugged and dependable batch and flow control solutions

505 Series – Next generation flow instruments for a variety of applications

515 Series – Precise flow and batch control for more complex applications

1000 Series – Robust load computers for petroleum and chemical applications

TRAC 40 – Vehicle mount custody transfer approved registers



Contrec Manufacturing (UK) Ltd
Riverside, Canal Road
Sowerby Bridge
West Yorkshire HX6 2AY

t +44 (0)1422 829944
f +44 (0)1422 829945
e admin@contrec.co.uk
w www.contrec.co.uk

SALES & TECHNICAL SUPPORT:
+44 (0)1422 829944
www.contrec.co.uk

Contrec Manufacturing Ltd
Manufacturing and Asia Sales:
+44 (0)1422 829944
admin@contrec.co.uk

Contrec Europe Ltd
European, Middle East and Africa
Sales: +44 (0)1422 829940
sales@contrec.co.uk

Contrec – USA
Americas & Canada Sales:
+1 (0)205 685 3000
customerservice@contrec-usa.com

Contrec Systems PTY Ltd
Australasia Sales and South East Asia
Support: +61 (0)413 505 114
paul@contrec.com.au