

# PD501 Liquip Monitor for Overfill and Grounding

The PD501 monitor provides overfill protection combined with ground assurance.

The PD501 is a basic unit which offers the lowest capital cost with simple and cheap installation wiring. It is compatible with all common probes built to EN13922.

The PD501 is a multi-purpose monitor for use in ATEX and UKEX applications only.



Liquip PD501 shown

## Key Features

- Explosion proof housing.
- Incorporates a single channel for 2-wire probes for railcar filling or other 2 wire applications.
- Monitors up to 15 x 5-wire probes for overfill protection.
- Ground assurance.
- ATEX and UKEX approvals.
- Cost effective overfill protection & ground assurance.

## Ordering Information

### Standard Configurations

**PD501-240-FC:** 240V Single channel monitor - 5 wire and overfill monitor (ATEX/UKEX only).

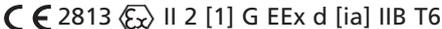
**PD501-240-GC:** 240V Single channel monitor - Ground control (ATEX/UKEX only).

For all other configurations, order as:

**PD501-240:** 240V single channel monitor - (ATEX/UKEX only).

## Technical Information

### • Safety Approvals

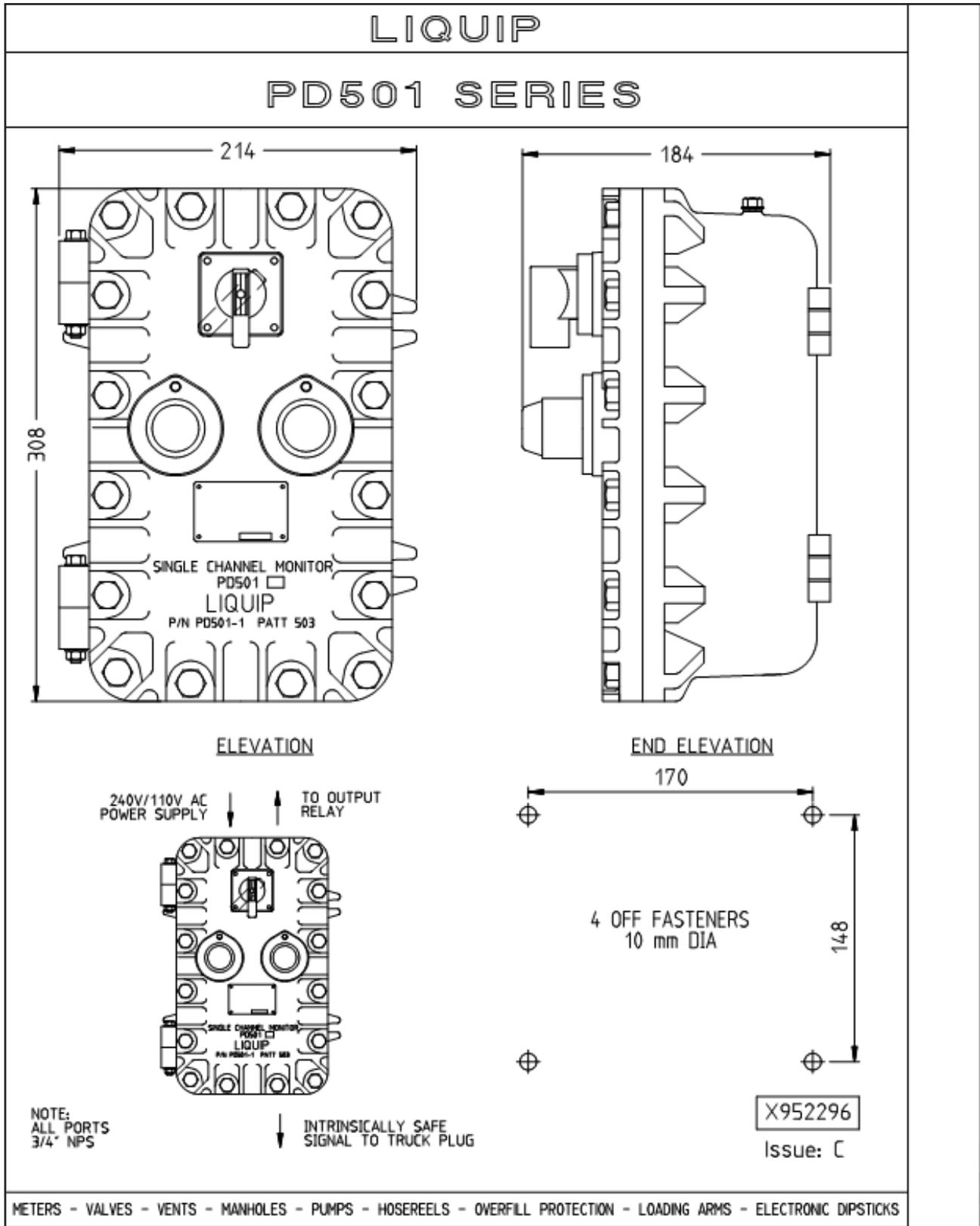
ATEX Certificate: TRL03ATEX11007X  
Marking:  II 2 [1] G EEx d [ia] IIB T6

UKEX Certificate: EMA21UKEX0035X  
Marking:  II 2 [1] G Ex dB [ia Ga] IIB T6 Gb IP54

Parameters:  $U_0 = 17V$ ,  $I_0 = 179mA$ ,  $C_0 = 1.8\mu F$ ,  $L_0/R_0 = 200\mu H/\Omega$   
Temperature:  $-20^\circ C \leq T_{amb} \leq +40^\circ C$

- Housing: Explosion-proof enclosure for Zone 1, monitoring signals intrinsically safe zone 0
- Power Supply: 240 VAC or 110VAC (upon request)
- Weight: approx 8kg.

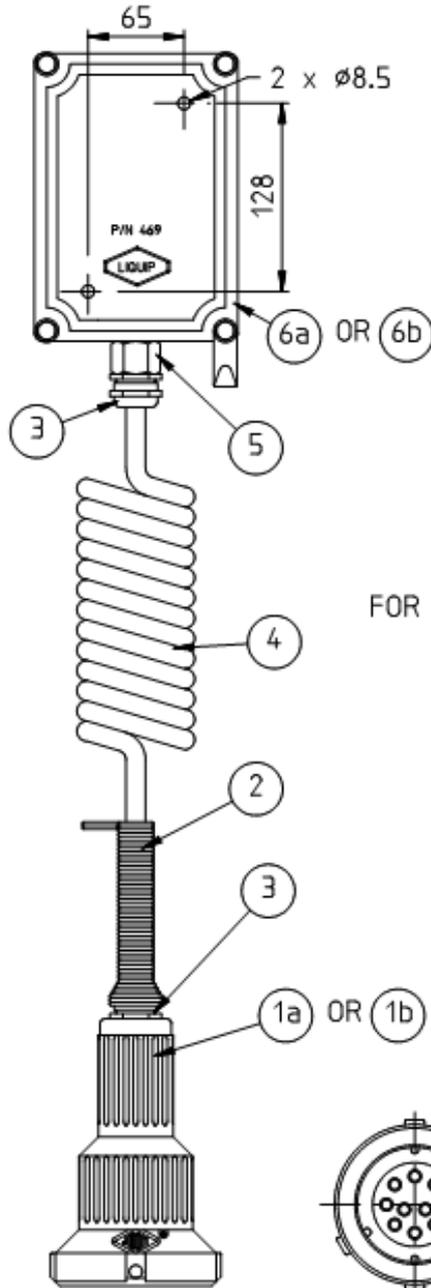
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## LIQUIP

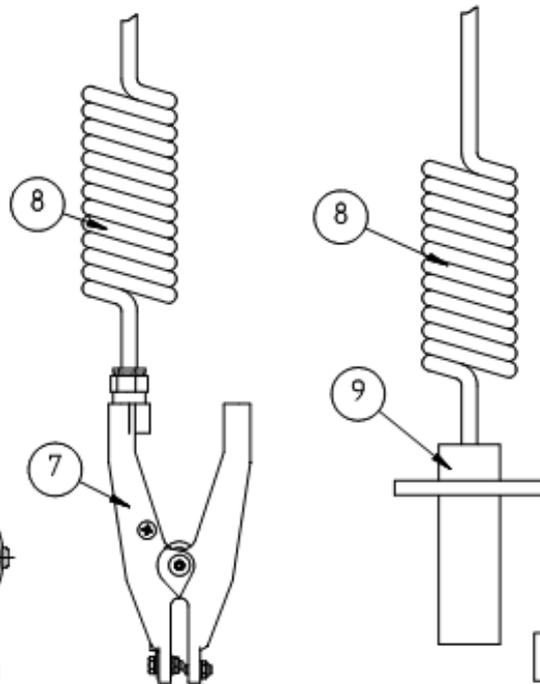
### PD501 ACCESSORIES



ITEM	PART NO	DESCRIPTION	MATERIAL
1a	GP103-3	PLUG BODY SUB-ASSEMBLY 3 PIN	POLYURETHANE
1b	GP104-4	PLUG BODY SUB-ASSEMBLY 4 PIN	POLYURETHANE
2	4477	SPRING	ST STEEL
3	6885	CABLE GLAND	N/P BRASS
4	5115	CABLE - SELF STORE	ELECTRICAL
5	7191	ADAPTOR	BRASS
6a	JB100	JUNCTION BOX ASSEMBLY (2 x 3/4" NPS PORTS)	ALUMINIUM
6b	JB103	JUNCTION BOX ASSEMBLY (3 x 3/4" NPS PORTS)	ALUMINIUM
7	EAC202	EARTH ASSURANCE CLAMP SUB-ASSEMBLY	ALUMINIUM
8	56060	CABLE - SELF STORE	ELECTRICAL
9	GBP100	GROUND BALL PLUG	ST STEEL

GP103 (ITEMS 1a,2,3 & 4) USED FOR 5 WIRE PROBES  
 GP104 (ITEMS 1b,2,3 & 4) USED FOR 2 WIRE PROBES  
 JUNCTION BOX (ITEMS 6a OR 6b & 5) ARE OPTIONAL  
 EAC202 (ITEMS 7 & 8) USED FOR GROUND ASSURANCE  
 GBP100 (ITEMS 8 & 9) USED FOR GROUND ASSURANCE  
 WITH SCULLY GROUND BALL

FOR WIRING DIAGRAMS SEE PD501 INSTALLATION MANUAL



GP104 SHOWN  
(FOR GP103 SEE PARTS LIST)

X950097

Issue: H

METERS - VALVES - VENTS - MANHOLES - PUMPS - HOSEREELS - OVERFILL PROTECTION - LOADING ARMS - ELECTRONIC DIPSTICKS