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LIQUIP MPP102 Mini-Monitor

DATA SHEET

PART N°: MPP102

- TITLE:** Overfill protection monitor for loading using electro-optic sensors, fibre-optic sensors, or both.
- PURPOSE:** To provide a compact, economical over-fill monitor for one or two compartment tankers and stand-alone storage tanks.
- OPERATION:** The mini monitor operates using 2-wire electronic or fibre-optic liquid sensors. The loading is stopped when the liquid sensor is wet, the signal provided by an un-powered relay output rated at 24Vdc 1A or 12Vdc 1A. This signal is input to the tank control system to either stop liquid flow or sound an alarm. LED indicators show the condition of the system at all times.
MPP102 can alternatively be used as an earth assurance monitor when installed with EAC201 & DP250N. This ensures the vehicle is grounded before any loading/unloading operations are carried out.
Can be used as earth assurance device.
Mini monitor is designed to IEC, EN & Cenelec Safety Standards.
- DISMANTLE:** Lid is held in place using 4 off M6 screws with nylon washers.
- WEIGHT:** 1.35kg.
- TECHNICAL DATA:**
- | | |
|--------------------|---|
| Dimensions: | 146mm x 119.4mm x 61.6mm (Height/Width/Depth) |
| Max Voltage: | +11.5Vdc to +30Vdc |
| Max Current: | 200mA maximum |
| Temperature range: | -25 to +55°C |
| Probe Interface: | 1 x 2-Wire electro-optical overfill probe output.
1 x Fibre-optic overfill probe input/output. |
| Relay Output: | 30Vdc @ 3A Common/Normally-Open/Normally-Closed. |
- MOUNTING:** Four mounting M6 holes in rear of body.
Conduit ports threaded M16.
- MATERIALS OF CONSTRUCTION:** Housing is made from cast aluminium,
Polycarbonate cover.
Wiring and conduit to be to IP66 minimum.
- ADJUSTMENT:** None required.
- ASSOCIATED EQUIPMENT:** Probes: FOT100, FOB100, AGP102 & LC99A
Fibre-optic cable
Fibre-optic cable joiner kit
Fibre-optic polisher kit
EAC201 earth assurance clamp, JB100 junction box & DP250N dummy probe
Three wiring glands (either conduit or non conduit) are required and available as an option.
(Note: Part numbers may change without notice)

(Overall dimensions shown on the drawing overleaf.)

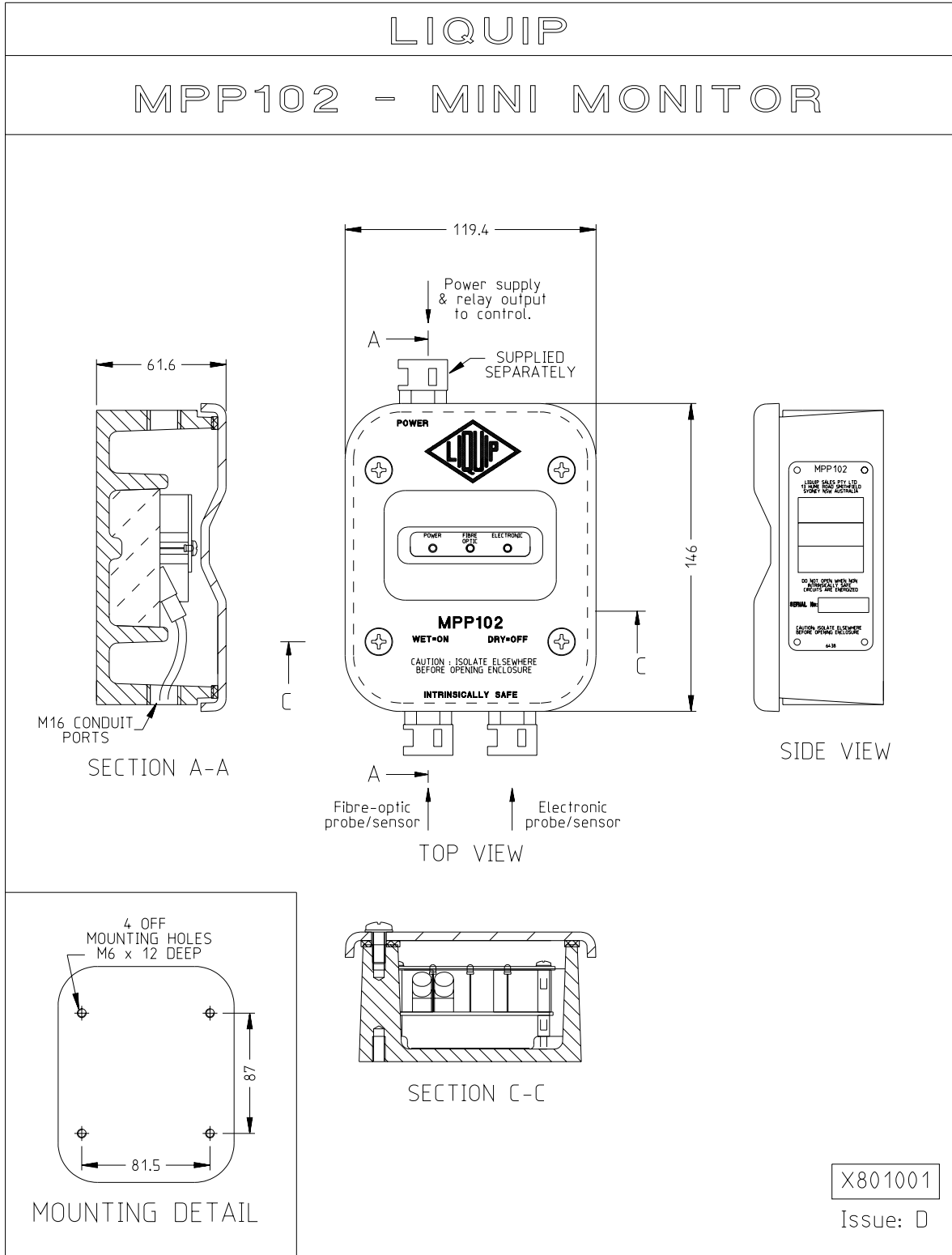


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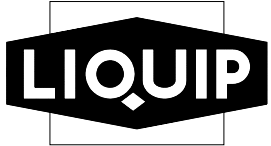
MPP102 - MINI MONITOR



X801001

Issue: D

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



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