MO System

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Solar powered remote communication system providing GSM connectivity for Technolog's pressure profiling hardware.

The MO System is a low cost solar option complimenting new or existing pressure profiling equipment at either Governor Stations or Low-Point kiosks.

Key Features

- Easy-to-install modular Solar panel system
- Provides Technolog's Gas Pressure Profiling Control Systems with permanent remote communications capability via the GSM network
- Utilises free 'Green' renewable Solar Power
- Discrete high-efficiency power source with battery charged from a photovoltaic solar panel
- Provides an Associated Intrinsically Safe barrier to the Hazardous Area
- Highly ruggedized enclosure with secure fastenings



Technical Specifications

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Power	**Source:** 12V (nominal) renewable (photovoltaic) power supply High-efficiency 10W solar panel with anodized aluminium frame **Modular Shunt** Solar Regulator 12 Ah Sealed lead-acid battery 'Watchdog' circuit to safeguard battery
Communication	**Local interface:** Compatible with Technolog Newlog 4/Autogas pressure profiling control systems (for other applications, contact Technolog) Intrinsically Safe connection to the hazardous area – Technolog Fast Barrier Unit ('FBU'). Certificate numbers Sira 01ATEX2039 & IECEx SIR 05.0016 - [Ex ia] IIC (Ta = -20 to +50 °C) **Remote:** Modular, low-power GSM Modem Module included Modular, optimised, internal GSM antenna 'Always on' anytime dial-up providing 'straight through' remote communications via PMAC software (data call) Anytime remote alarm-out capability
Options	– GRP Wall-mounted Enclosure – Free-standing Stainless Steel Kiosk (coated green) – '30/70' (degree) roof-mounted solar panel bracket – Pole-mounted solar panel bracket / Integrated solar panel hood option for Kiosk version
Mechanical	**Wall mounted:** Tough GRP (polyester) / IP66 Impact resistant to IK10 / Strong hasp and staple fastening Dimensions (mm) 200 (h) x 330 (w) x 430 (l) **Kiosk:** Stainless Steel Coated Green / Compartmentalised construction with ventilated separation zone Tamper-resistant drop-latch lock Dimensions (mm) 970 (h) x 365 (w) x 230 (d) (Height increase is 350mm for solar panel hood version)
Service	**Lead Acid Battery:** maintenance-free with 5 years service life **Solar Panel:** self-cleaning with >12 years service life






Technolog Limited,
Ravenstor Road, Wirksworth,
DE4 4FY, United Kingdom

+44(0)1629 823611
technolog@technolog.com
www.technolog.com

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