

## 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

<b>Power</b>	<b>Source:</b> 12V (nominal) renewable (photovoltaic) power supply High-efficiency 10W solar panel with anodized aluminium frame <b>Modular Shunt</b> Solar Regulator 12 Ah Sealed lead-acid battery 'Watchdog' circuit to safeguard battery
<b>Communication</b>	<b>Local interface:</b> 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) <b>Remote:</b> 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
<b>Options</b>	<ul style="list-style-type: none"><li>- GRP Wall-mounted Enclosure</li><li>- Free-standing Stainless Steel Kiosk (coated green)</li><li>- '30/70' (degree) roof-mounted solar panel bracket</li><li>- Pole-mounted solar panel bracket / Integrated solar panel hood option for Kiosk version</li></ul>
<b>Mechanical</b>	<b>Wall mounted:</b> Tough GRP (polyester) / IP66 Impact resistant to IK10 / Strong hasp and staple fastening Dimensions (mm) 200 (h) x 330 (w) x 430 (l) <b>Kiosk:</b> 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)
<b>Service</b>	<b>Lead Acid Battery:</b> maintenance-free with 5 years service life <b>Solar Panel:</b> self-cleaning with >12 years service life

