



Micro-set®

MSD2 Technical Datasheet



| | |
|---|--|
| Manufacturer | HALL Engineering Services Limited |
| Equipment name / model no. | 'Skeltonhall' Micro-set® / MSD2 |
| Prover loop pipe diameter | 3" to 36" and larger |
| ANSI pressure rating (standard / high pressure) | 600# / 1500# |
| Element type | Encapsulated reed switch (SPST) |
| Switch rating | 24VA (250V DC max / 250V AC max / 2 Amps max) |
| Process connection | Pipe mounting boss |
| Pipe hole diameter | 20mm or 32mm (depending on pipe wall thickness) |
| Switch-point repeatability & resolution | +/- 0.01 mm (+/- 0.0004") - full assembled device |
| Design Pressure (standard / high pressure) | 600# = 102 barg / 1500# = 255 barg (depending on design temp.) |
| Design Temperature (process) | -20°C to +200°C |
| Design Temperature (ambient) | -40°C to +75°C |
| Materials | Housing: 316 st.st Wetted parts: 316 st.st Bolting: A4 marine grade SS O rings: Viton |
| Ex Markings | II 2 G Ex db IIB T6 Gb Ta -40°C to +75°C |
| Cable entry (alternatives available) | M20 or ¾" NPT(F) (dependent on JB - ordered separately / by others) |
| Hazardous area classification/certification | ATEX: ExVeritas 19 ATEX 0477X IECEx: EXV 19.0016X UKEX: ExVeritas UKEX 0763X |
| Documentation | IECEx, ATEX & UKEX Hazardous area certificates EU Declaration of Conformity Functional test reports and calibration records 3.1 Material certificates Setting, Installation, Operating & Maintenance Manual Installation GA Drawing Certificate of Non-Dual Use |
| Options/Special tools (priced separately) | Weld on pipe mounting boss (CS standard, SS optional) Ex d J.B. for connecting site cable (aluminium standard, SS optional) Flushing port (for waxy / debris laden products) Retrofit (adapter or adapted design to fit other manufacturers' bosses) Spare parts kit ANSI 600# setting jig ANSI 1500# setting jig Boss alignment & pressure test tool (BAPTT) |
| Optional documentation (if specified / ordered) | NACE certificate Junction box certification Mounting boss material certificate |