

APC Technology

IM2-IS Intrinsically Safe Industrial Mouse



Quality
ISO 9001



FEATURES

- Intrinsically safe
- Rugged construction
- Fully sealed
- Tactile feedback
- Sealed to IP65
- Certified IECEx SIM 06.0005X

PRODUCT DESCRIPTION

The IM2-IS is a rugged pointing device designed for use in industrial environments. The unit is intrinsically safe, protected via a safety barrier and suitable for use in Class 1 Zone 0 hazardous areas.

An ideal solution for operator interface requirements in mining, oil and gas industries with potentially explosive atmospheres.

The mouse cursor speed is proportional to displacement of the joystick, providing both speed and precision to the user.

Certifications:

- IEC 60079-0 Edition 3.1
- IEC 60079-11 Edition 4
- Ex ia I/II CT4 IP65 -20°C to +40°C



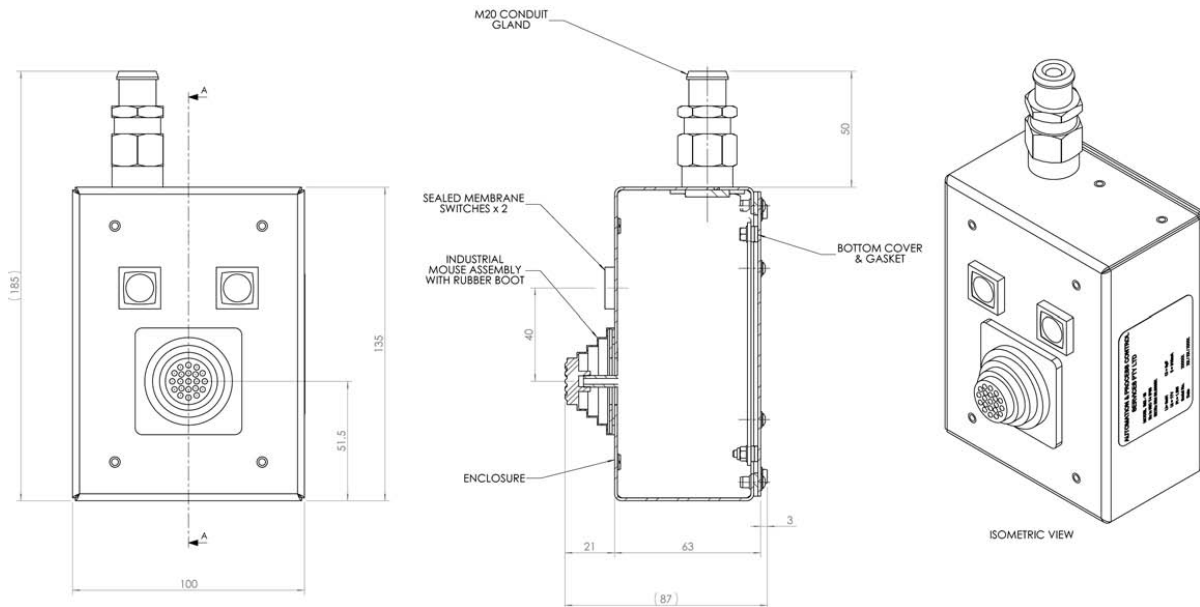
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Technical Specifications

Construction:	Stainless steel - powder coated finish
Sealing:	IP65
EMC Approvals:	FCC Part 15, Subpart B; Class B certification EN55022 Class B
Operation:	Cursor movement speed proportional to joystick displacement Three button pointer operation
Joystick:	Opto-strain-gauge Joystick covered by US Patent 5,973,673
Connection: (from repeater)	USB and PS/2 adapter cable

Physical Dimensions

Gross Weight:	approx 2.4kg (inc repeater)
Unit Dimensions:	100(W) x 87(D) x 185(H) mm

Technical Specifications

Environmental

Operating temperature:	-20°C to +40°C
Storage temperature:	-20°C to +70°C

Approvals

EMI:	FCC Part 15, Subpart B; Class B certification EN55022 Class B
Approvals:	Ex ia I/IIC T4 IP65 -20°C to +40°C

Safety Description

The required safety description for barriers assessed on 'entity' concept is:

Maximum input voltage - U_i	- 17 volts
Maximum input current - I_i	- 310 milliamperes
Maximum input power - P_i	- 1.3 watts
Maximum internal capacitance - C_i	- 0 uF
Maximum internal inductance - L_i	- 0mH

Due to continuing developments, specifications are subject to change without notice. No liability is accepted for errors or omissions.



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