

METTLER TOLEDO - Industrial Hazardous Area



Model	PUMA	MultiRange HAP	SMx	VIPER Ex	ISB
SPECIFICATIONS					
Enclosure type	Desk or wall mounting	Desk or wall/panel-mount	Desk or wall/panel-mount	Compact scale	DIN rail or surface mount
Hardware	All stainless steel	Stainless steel	Cast aluminum construction Weighing surface: Stainless steel ASTM type 304		Cast aluminum or ABS plastic construction
Environmental Protection	TYPE 4X (IP65)	Approved for use in hazardous area zones 1, 2, and 11	TYPE 12 (IP54)	Protection type IP65	ISB05/ISB15: ABS plastic. Dry, non-hazardous areas only ISB15X/ISB15X: Cast aluminum alloy, Washdown, within hazardous areas
Power	100/240 V, +10% - 15%, 50/60 Hz	—	120 VAC/secondary 11V DC, 0.1A	PSU: 85 – 265VAC/50/60Hz PSUx: 120VAC/60Hz	ISB05/ISB05X: 1-5 VDC ISB15/ISB15X: 5-15 VDC
Display type	Six-digit, seven-segment 25 mm (1 in), high resolution LCD	ID2sx – High-contrast, 7-segment LCD, 7 characters, black, character size 17 mm ID3Tx – High-contrast, 6-segment LCD, 7 characters, black, character size 25 mm ID5sx – High-contrast, dot matrix LCD, 20 characters, 4 lines, black, 12 mm	7 segment LCD	Bright 7 segment LCD display	—
Displayed divisions	Selectable from 1000 to 25,000	Integrated unit characters and status symbols for display of the operating status	—		—
Keyboard	Polyester overlay with hardcoat containing 20 keys with both English and graphic symbols	Action point membrane, resistant industrial plastic (PBTB) with symbol markings and tactile feedback, key spacing 30 mm for model ID2sx, 18 mm for models ID3Tx and ID5sx	—	Zero, Tare, Print, Unit, and Clear key	—
Keyboard ID	Up to six digits of ID may be entered to identify a specific transaction	—	—	—	—
Serial data output	Two serial ports that required fiber optics option	—	—	3 Maximum interface slots	—
Ambient temperature	-10°C to 40°C (14°F to 104°F) 10 to 95% humidity, A14non-condensing	20°C to 60°C (4°F to 140°F)	0° C to 40° C (32° F to 104° F) relative humidity 15% to 85% non-condensing	-10 °C +40 °C ; relative humidity 20%-80% non-condensing	-10° C to 40° C (14° F to 104° F) relative humidity 10% to 95% non-condensing
Cable length	—	ID2sx Terminal to GD13x Power Supply 16 ft (5 m) ID5s Terminal to GD130x Power Supply 16 ft (5 m) MRx Platform to GD13x Power Supply 16 ft (5 m)	—	—	—
APPROVALS					
NTEP (H44)	NTEP, Class III/II L, 5000d	NTEP	—	—	NTEP for 10,000d, NMI as instrument peripheral for PANTHER®, LYNX®, JAGUAR®, and JAGXTREME®
Certificate number	#96-160	—	—	—	—
Canada	CSA, CUL	—	—	CSA	—
Additional approvals	Factory Mutual (FM) Class I & II; Division 1 & 2; Groups A, B, C, D, E, F, & G; N.E.C. Temperature Rating T4A	ISO9001, OIML (R76), CE	Scale Platform/Display – Factory Mutual Class I, II, III, Division 1 and 2, Groups A, B, C, D, E, F, G Power Supply – Factory Mutual Class I, II, III, Division 1 and 2, Groups C, D, E, F, G	FM (Factory Mutual), PSU: FM AIS Class I, II, III, Division 1, Group A, B, C, D, E, F, G; CENELEC II(2) G, D[Ex ib] IIC PSUx/120V: FM Class I, II, III, Division 1, Group A, B, C, D, E, F, G; CSA Class I, II, III Div. 2, Group A, B, C, D, E, F, G Viper EX: FM Class I, Division 1, Group A, B, C, D; CSA Class I, Division 1, Group A, B, C, D PSUx/240V: CENELEC II(2)G, D Ex em [ib] IIC T4	ISB05 and ISB15: FM approved for Class I,II,III; Division 1,2; Groups A-G; KEMA certified as [EEx ia] ICSB05X and ISB15X; FM approved for Class I,II,III; Division 1,2; Groups C-G; T6; KEMA certified as Ex d IIB+H2 [ia] IIC T6 Barriers have both metrology and safety approvals for United States and Europe