



Probe Holder

AMS EZ 1000 Probe Holders permits mounting of eddy current sensors of type EZ105x and EZ108x at machines so that they can be adjusted from outside. The sensors can be changed even on machines that are operating. The probe holder enables an oil-tight mounting of the sensors.



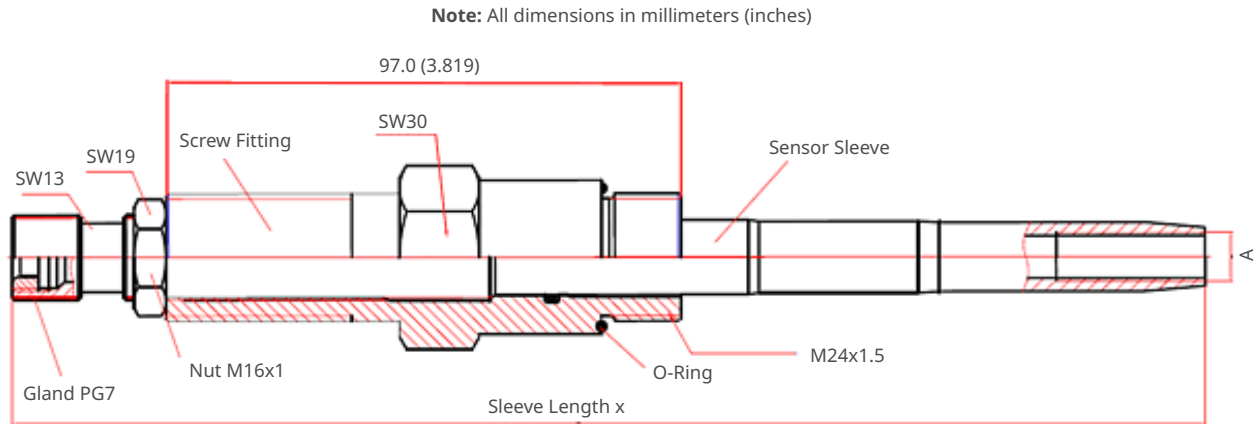
Performance	
Adjustable Range	40 mm (1575 mils)
Immersion Depth	Up to 450 mm (17.7in), depending on type, see ordering information
Environmental, General	
Protection Class (With optional Connection Head only)	IP45, IEC 60529 IP65 – if adapter (position “A” in dimensions figure “EZ1600-HEAD”) is glued in sealed with adhesive Loctite 620 or equal
Operating Temperature Range	See individual sensor specsheet for details on operating range
Differential Pressure and Sealing	2000 hpa (29 psi), if sensor is glued in
Material	Holder (Stainless Steel, 1.4305) Connection Head (Aluminum die-cast with polyester coating)
Mounting Hints	
The sensor can be fixed within the sensor sleeve by locking with an appropriate nut or by gluing in with adhesive Loctite 620 or equal.	

Hazardous Area Approvals

Connection Head	 II 2GD EEx e II FTZU 03 ATEX 0073 U Zone 1, Zone 2, Zone 21, Zone 22
Ex-Gland M16x1.5 and M20x1.5	 II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db IP66/68 PTB 11 ATEX 1007 X xx CE 0102 xx = M16, M20

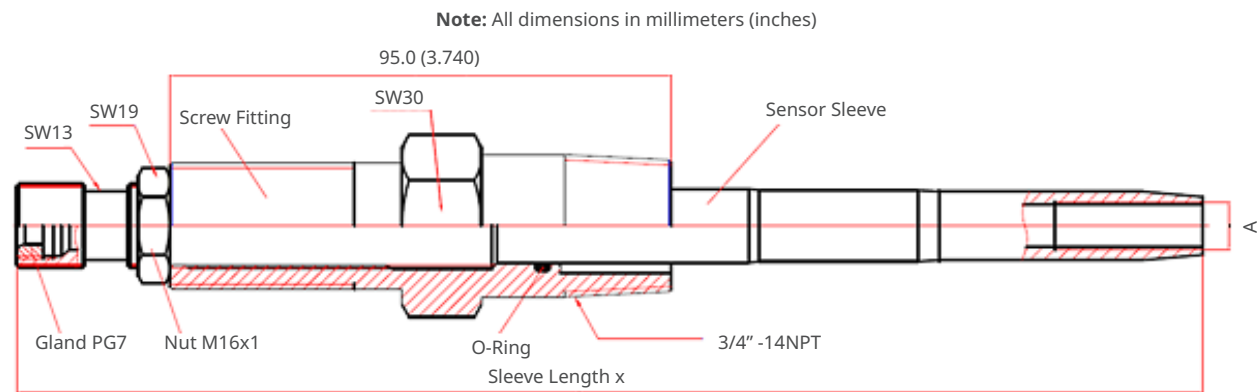
Dimensions

EZ16xx-xxx-01 with M24x1.5 Thread



A. Thread: M8x1 @ EZ1650, 1/4" -28UNF @ EZ1652, M10x1 @ EZ1680, 3/8" -24UNF @EZ1682

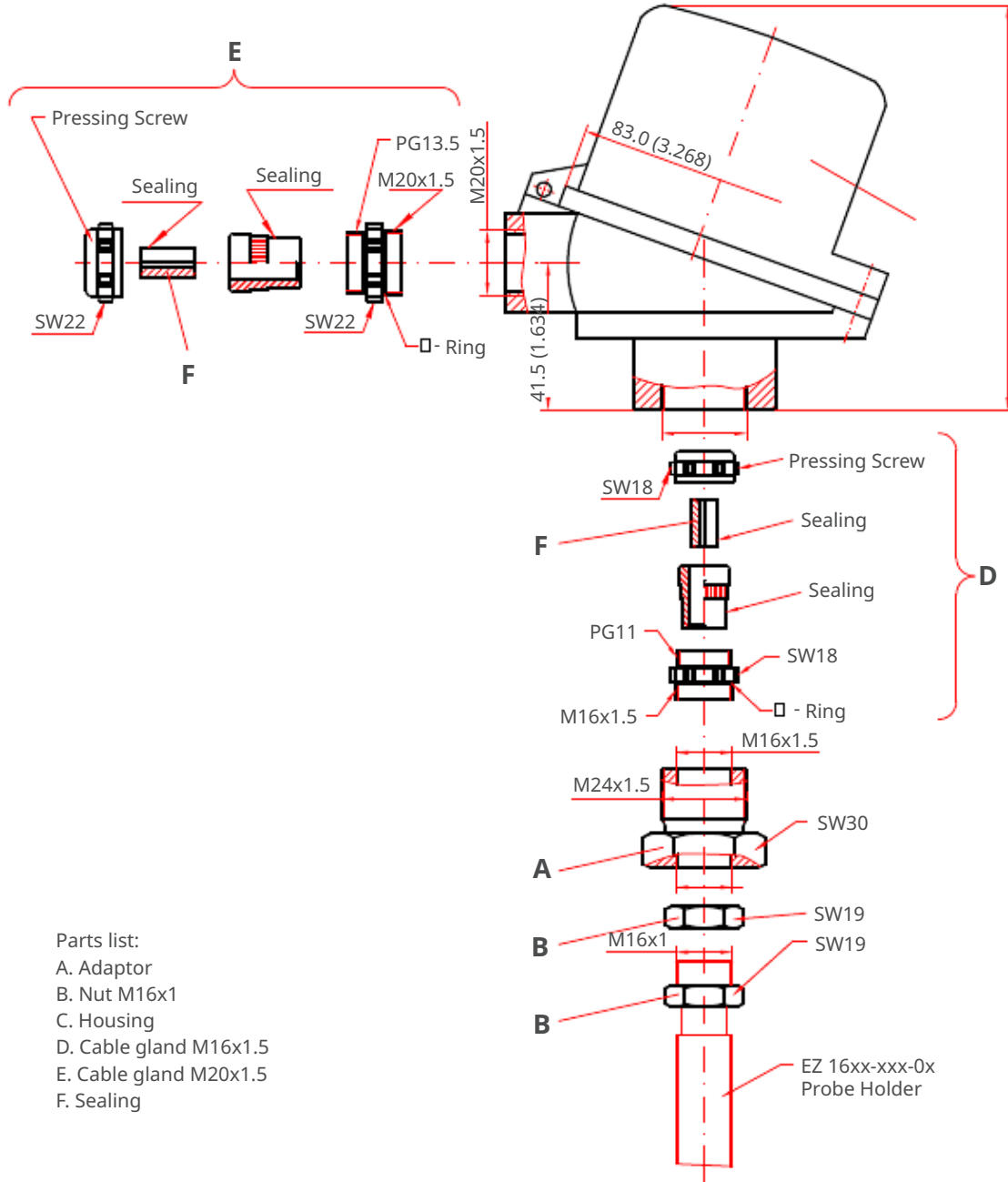
EZ16xx-xxx-02 with 3/4"-14NPT Thread



A. Thread: M8x1 @ EZ1650, 1/4" -28UNF @ EZ1652, M10x1 @ EZ1680, 3/8" -24UNF @EZ1682

EZ1600-HEAD

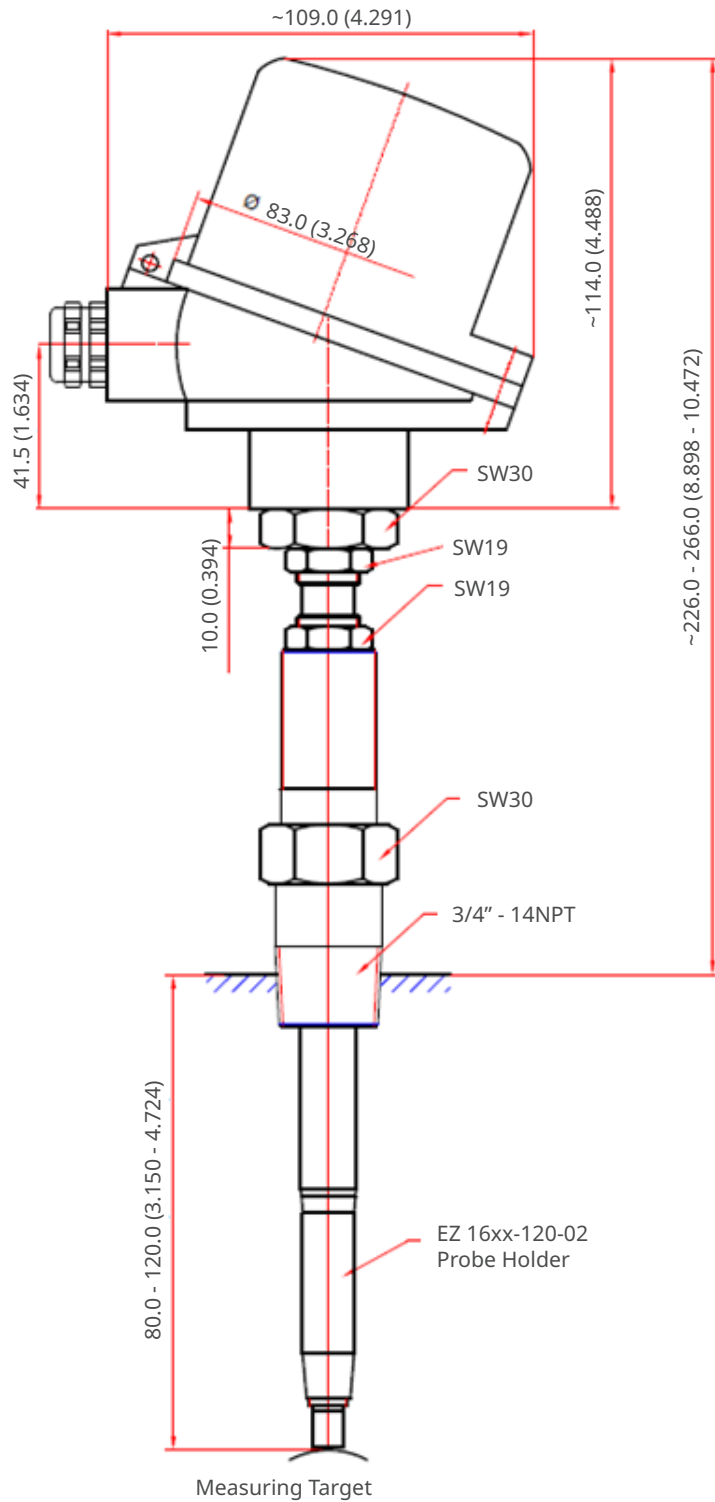
Note: All dimensions in millimeters (inches)



- Parts list:
 A. Adaptor
 B. Nut M16x1
 C. Housing
 D. Cable gland M16x1.5
 E. Cable gland M20x1.5
 F. Sealing

EZ1600-xxx-xx with EZ1600-HEAD

Note: All dimensions in millimeters (inches)



Ordering Information

Holder for Sensor Type	Holder for Sensor Thread	Model Number
EZ1050	M8x1	EZ1650
EZ1080	M10x1	EZ1680
EZ1052	¼"-28UNF	EZ1652
EZ1082	3/8"-24UNF	EZ1682

Model Number	Adjustable Range (mm) XXX	Screw Fitting XX
EZ1650	070 30-70 (x=169mm)	01 M24x1.5
EZ1652	090 50-90 (x=189mm)	02 ¾"-14 NPT
EZ1680	120 80-120 (x=218mm)	
EZ1682	150 110-150 (x=248mm)	
	180 140-180 (x=278mm)	
	210 170-210 (x=308mm)	
	240 200-240 (x=338mm)	
	270 230-270 (x=368mm)	
	300 260-300 (x=398mm)*	
	330 290-330 (x=428mm)*	
	360 320-360 (x=458mm)*	
	390 350-390 (x=488mm)*	
	420 380-420 (x=518mm)*	
	450 410-450 (x=548mm)*	

*Holders of this length must be secured at the lower part of the sensor sleeve so that the holder tip cannot move.

Example:

EZ1650-070-01

ECS PROBE HOLDER FOR EZ1050, M24X1.5, RANGE 30-70MM

Special Versions

Model Number	Product Description
EZ1600-450-01	PROBE HOLDER FOR EZ108X, M24X1.5, RANGE UP TO 450MM, SELF-CUT
EZ1600-450-02	PROBE HOLDER FOR EZ108X, 3/4 14NPT, RANGE UP TO 450MM, SELF-CUT

Product Accessories

Model Number	Product Description
EZ1600-HEAD	ECS PROBE HOLDER CONNECTION HEAD, ATEX

Ordering Information Sensor

Tip Diameter	Case Threads	Armored Cable	Model Number
5mm	M8x1	No	EZ1050
8mm	M10x1	No	EZ1080
5mm	1/4"-28 UNF	No	EZ1052
8mm	3/8"-24 UNF	No	EZ1082

Model Number	Case Length XX	Unthreaded Length XX	Cable Length XX
EZ1050	02 20mm (Minimum) I 05 50mm (Maximum) Order in increments of 10mm RM Reverse Mount Note: Reverse Mount is only available with 8mm sensors.	00 0mm, No UTL	005 0.5m* 010 1.0m 015 1.5m 020 2.0m 050 5.0m 100 10.0m
EZ1080			
EZ1052	08 0.8in 10 1.0in (Minimum) I 20 2.0in (Maximum) Order in increments of 0.5in RM Reverse Mount Note: Reverse Mount is only available with 8mm sensors.	00 0.0in, No UTL	
EZ1082			

*This version is not feasible to holders with adjustable range longer than 300mm.

Example:

EZ1080-02-00-050

EZ 8mm, M10X1, NO ARMOR, 20MM SLEEVE, 0MM UNTHREADED, 5M CABLE

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