



10000 PROXIMITY PROBES & CABLES FOR 7200 SERIES (5 & 8 MM)

OVERVIEW

The 7200 series rack monitors are obsolete. But 7200 series proximity probes (transducers) are still on many machines in a variety of industries. Proximity probes, cables and drivers or transmitters are combined within a unique series and not mixed with other series (i.e., 3300, 3300XL or the 3000 series). The lengths of the proximity probes and extension cables must combine for a system length of 5 or 9 meters.

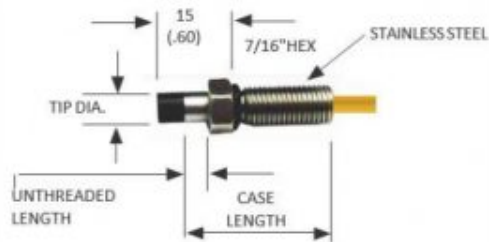
All proximity probes/transducers have comply with API 670 specification. These proximity probes (transducers) are interchangeable with the 7200 series.

PROXIMITY PROBES & EXTENSION CABLE SELECTION

1. Select a probe to suit the mechanical requirements of the machine and mates with the same series extension cable and driver, or transmitter.
2. Pick an Extension Cable from SAME SERIES as probe and electronics.
3. Given the probe length, pick a cable length so the sum of probe and cable add up to the system length.
4. Choose with or without armor.

Weight & Dimensions

REVERSE MOUNT PROBE



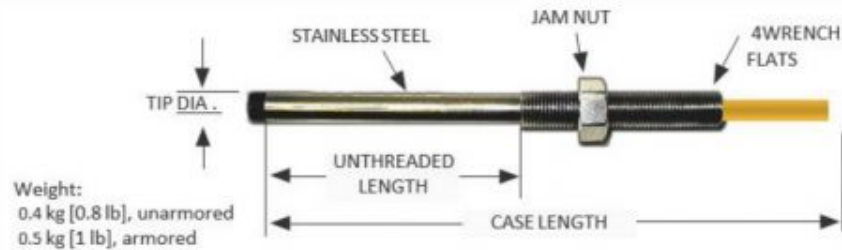
Weight: 0.5 kg [1lb]

SPECIFICATIONS

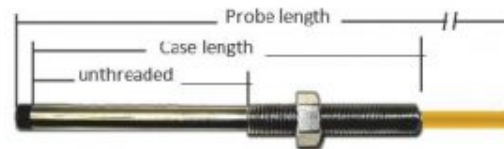
SPECIFICATIONS	
Probe Tip Material	Ryton
Probe Case Material	Series 300 SS for forward mount, smooth case and reverse mount probes
Probe Cable Specs	Coaxial cable with Tefzel insulation for maximum abrasion resistance.
Cable Impedance	50Ω
Connector to Connector Torque	Hex connector to hex connector; finger Tight and 1/8 turn with wrenches. Hex connector to "click type" connector; finger tight plus 1/8 turn with wrench & pliers
Tensile Strength	75lbf, probe case to probe lead. 60lbf, probe pigtail to connector and 60lbf, connectors to extension cable.
Probe / Cable Armor	Series 300 SS, flexible connected to probe body with case internal thread.
Minimum Bend Radius	1inch without armor
Target Material	4140steel (standard)
Probe & Extension Cable Temperature Range	-40°C to +177°C (-40°F to +351°F)
Probe Pressure	Standard probe design includes seal between probe tip and case and is not pressure tested before shipment. If pressures are present, contact the factory for possible high pressure probe designs.
Relative Humidity	100% condensing but not submersible and with connectors properly protected.
Connector Material	Gold plated brass hex connectors



STANDARD PROBE



CABLE



ORDERING INFORMATION

STANDARD PROXIMITY PROBE 1 0 0 X X - A A - B B - C C - 0 2						
Model No.	Tip Diameter	Case Threads	Unthreaded Length AA	Case Length BB	Probe Length CC	Armor
10001	5mm	1/4"-28	Increments of 0.5 in. Maximum= case length minus 1 in.	10= 1in. (min)	05 = 0.5m	No
10002				05= 0.5in. (delta) 30= 3in. (standard) 95= 9.5in. (max)		Yes
10005	8mm	3/8"-24		Even increments only	± 0.05m	No
10006						Yes
10003	5mm	M8X1	Increments of 10mm. Maximum= case length minus 20 mm.	02= 20mm. (min)	10 = 1.0m ± 0.1m	No
10004				07= 70mm. (standard) 25= 250mm. (max)		Yes
10007	8mm	M10X1				No
10008						Yes
10026*	8mm	3/8"-24	02= 0.2in.	12= 1.2in.		
10030*		M10X1	05= 5mm.	30= 30mm.		

*Reverse Mount



Use a standard straight-through threaded probe or the reverse mounted probe and "stinger" depending on availability of the target.

EXTENSION CABLE FOR 7200 SERIES 7402-AAA-BB	
Cable length AAA	
040=	4.0m
045=	4.5m
080=	8.0m
085=	8.5m
Armor BB	
00=	NO
01=	YES



Example transducer configuration

Given: A 5 meter system, 3.0 in. case length 3/8-24 probe, 1 meter long, 0 in.

Unthreaded, no armor on probe, armored cable, driver w/DIN mount. Use

Probe 10005-00-30-10-02
 Extension cable 01-040-7402

Gap(micrometer)	V(volt DC)
0	0.6
100	0.6
200	0.6
300	0.6
400	0.6
450	0.7
577	1.69
704	2.68
831	3.67
958	4.66
1085	5.65
1212	6.64
1339	7.63
1466	8.62
1593	9.61
1720	10.6
1847	11.59
1974	12.58
2101	13.57
2228	14.56
2355	15.55
2482	16.54
2609	17.53

Graph of output voltage according to the gap

