

# HAND HELD CALIBRATOR

MODEL 394B06

## OPERATOR'S MANUAL

\*\*\*NOTE:

PCB would like to inform our valued customers of a simple operating procedure for the hand held calibrator Model 394B05/06. Due to the Battery Operation of the 394B05/06, the operator must depress the button slowly on start-up, to allow ample time for the low bias electronics to power-up. The recommended procedure is to hold the 394B05/06 in hand, depress the button, hold down for approximately one-second and release.

**PCB**<sup>®</sup>  
PIEZOTRONICS

## Letter Prefix Codes for Product Model Numbers (define options and system kits)

Letter prefixes often appear in model numbers of PCB products. These prefixes refer to various options available with standard products. More than one prefix may appear in a product model number, for example: HSM113A21 (Model 113A21 pressure sensor with 'H' hermetic seal, 'S' stainless steel diaphragm and 'M' metric mounting thread). Letter prefixes may also indicate a sensor is being supplied in a system kit with power unit, cables and accessory hardware items - complete, ready to connect and operate (e.g: K353B01 accelerometer kit includes sensor, battery powered signal conditioner, cables and accessories).

PREFIX	DESIGNATION
A	Adhesive mount version of sensor. Supplied with mounting base, Petro Wax and "quick bonding" gel. (Miniature accelerometers have the integral stud removed.)
B	Low bias sensor for reduced voltage and current levels (e.g. B353A04)
D	Dummy sensor for display purposes (e.g. D339A01)
DKL	484B06 line power supply with DC coupling sensor kit (e.g. DKL208A05)
E	Emralon coated sensor for ground isolation or corrosion resistance.
F	Operates with 210V to 240V (50 to 500 Hz) line power (e.g. F482A16)
FM	Factory Mutual Approved (Intrinsically safe.) (e.g. FM328D04)
GK	480E09 battery power supply with gain x1, x10, x100 sensor kit (e.g. GK302B)
GKL	482B11 line power supply with gain x1, x10, x100 sensor kit (e.g. GKL338A04)
GKR	Rechargeable 480E09 w/NiCad batteries and 488B charger sensor kit
GDKL	484B11 line power ( DC coupling and gain x1, x10, x 100) sensor kit
H	Hermetically sealed sensor (e.g. H112A)
J	Ground Isolated - Single Axis accels with 10-32 tapped hole (e.g. J353B33) Ground Isolated - Integral stud types (e.g. J353B68)
K	480C02 battery power supply sensor kit (e.g. K359B33)
KL	482A06 basic line power supply sensor kit (e.g. KL338A35)
KR	Rechargeable 480C02 w/NiCad batteries and 488B Charger sensor kit
M*	Metric mounting thread or metric adaptor stud (e.g. M338A24)
N	Negative polarity output
P	Positive polarity output
Q	Extended time constant. ( $\geq 10$ DTC) for low frequency and/or shock applications
R	Recharge option. Includes 488B Charger and NiCad batteries (e.g. R480E06)
S	Stainless steel diaphragm (e.g. S112A)
T	Momentum trap for some pressure transducers (e.g. T102A). Acts as a stress wave absorber to prevent connector damage.
U	Useable demonstration sensor. (Performance does not meet specifications)
V	Indicates version of a standard model number (e.g. V337D22/050-C is a Model 337D22 with a 50 ft integral cable terminating in a BNC Plug)
W	Waterproof cable attachment. (e.g. W353B41/002A100C is a 100 ft. type 002 cable with a standard 10-32 coaxial plug sealed to the sensor and terminates as a BNC plug.)

**NOTE:** Prefixes including the letter 'K' are transducer and power kits supplied with a 10 ft. input cable, power unit with 3 ft. output cable terminating in BNC and vinyl kit storage case. Input cable lengths up to 50 ft. of cable styles 002, 007, 012, 015 and 031 may be specified at no additional charge.

\* When the letter 'M' appears in the middle of a model number, it designates a special or modified version of a standard product (e.g: 308M174)



# SPECIFICATIONS

## HAND HELD CALIBRATOR

REVISIONS  
-B- Rev # 3981  
Dm 11/5/92

SHEET 1 OF 1

### MODEL NO. 394B06

Frequency (±1%)	Hz	79.6
Acceleration (±3%)	g (ms <sup>-2</sup> ) rms	1.00 (9.81)
Velocity (±4%)	inch/s (mm/s) rms	.772 (19.6)
Displacement (±5%)	mil (µm)	1.54 (39.1)
Transverse Amplitude (relative to main axis)	%	<5
Distortion		
0 to 85 grams load	%	±5
10 to 70 gram load	%	±3
Maximum Load	gram	85
Warm-Up Time	s	<5
Temperature Range	°F (°C)	+14 to +131 (-10 to +55)
Humidity (@85 °F Non-Condensing)	%	90
Power Required [1]	volt	9
Size: dia x height	inch (mm)	2.05 x 5.9 (52.1 x 149.9)
Weight with battery	oz (gram)	24.5 (695)
Mounting	thread	10-32

**Notes:**

- [1] Alkaline battery supplied.
- [2] Distortion is measured with 1g rms referenced at 40 grams.

**Supplied Accessories:**

Model 081B05 Mounting Stud (2)

APP'D	Rick L	4/5/90	SPEC NO.
ENGR	Jing	4/6/90	<b>394-2060-80</b>
SALES	JAL	4/6/90	

394-2060-95

APPLICATION

QTY.	NEXT ASSY.	USED ON	VAR

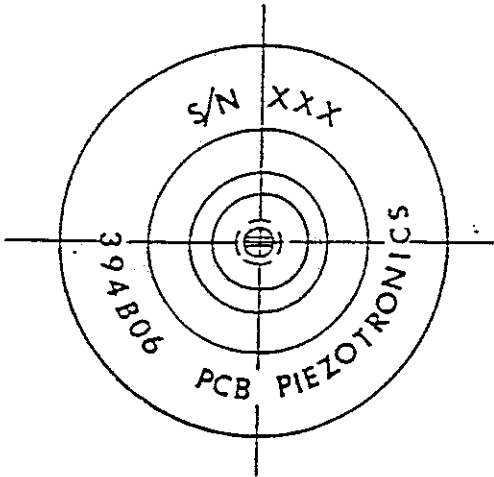
REVISIONS

SYM.	DESCRIPTION	EO	DATE	APP'D

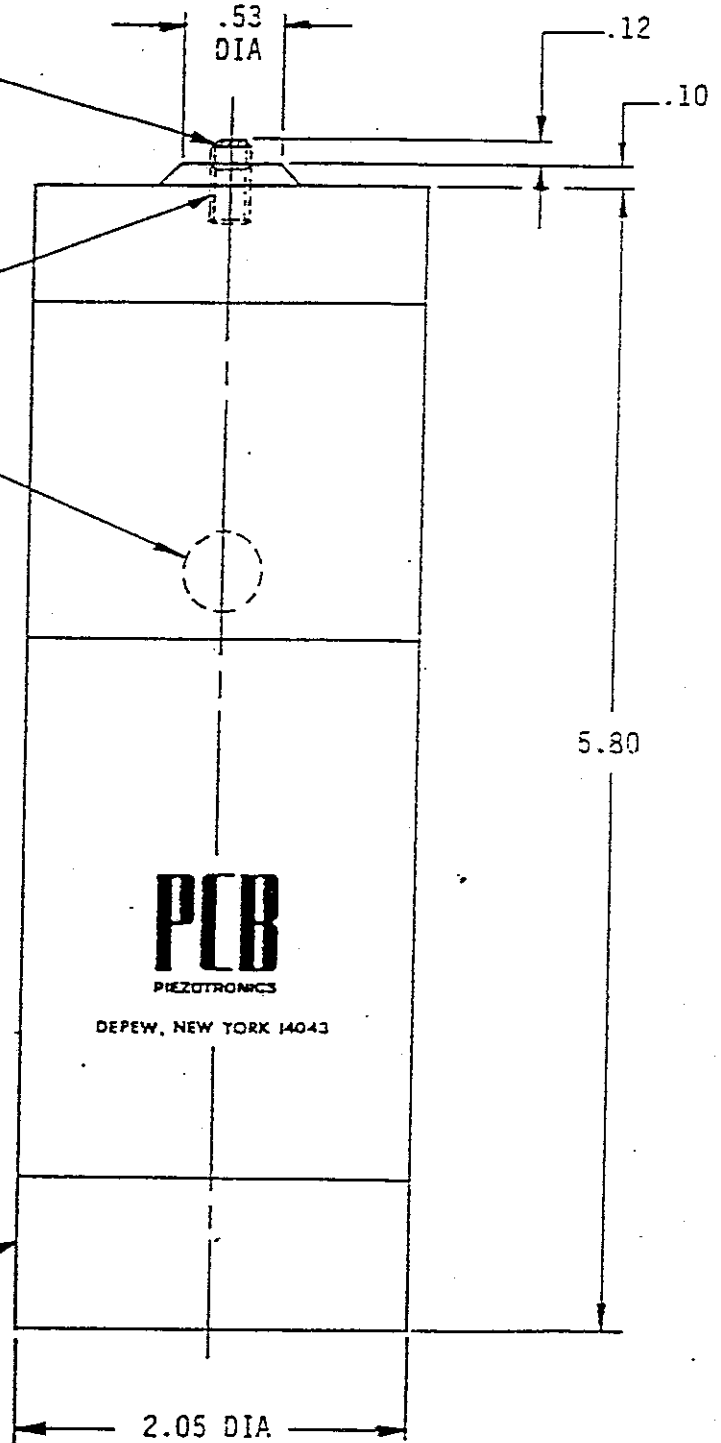
10-32 UNF-2A  
x .31 LG  
SET SCREW

XDCR MOUNTING HOLE  
10-32 UNF-2B

ACTUATOR BUTTON  
PUSH-ON/PUSH-OFF  
(REAR)



BOTTOM UNSCREWS FOR  
BATTERY ACCESS  
SV ALKALINE BATTERY



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES.  
TOLERANCES  
FRACTIONS ± 1/64  
DECIMALS XX ± .01  
XXX ± .005  
ANGLES ± 1/2 DEG.

MATERIAL  
HEAT TREAT  
EXCEPT AS NOTED

DRAWN	DAM	11/20/70	MFG.	
CHECKED	DAM	11/20/70	ENGR.	Reel 11/20/70
APP'D	LOU	11/20/70	RELEASE NO.	
TITLE OUTLINE DRAWING MODEL 394B06				

**PCB PIEZOTRONICS, INC.**  
DEPEW, NEW YORK 14043

CODE IDENT. NO. 52681	DWG. NO. 394-2060-95
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MODEL 394B06 HAND HELD CALIBRATOR  
OPERATING GUIDE

REVISIONS

SHEET 1 OF 1

INTRODUCTION

The hand-held calibrator is a completely self-contained vibration reference source. It is used to calibrate accelerometers during test setup as well as aid in channel identification and debugging.

DESCRIPTION

The calibrator incorporates an electromagnetic exciter driven by a stabilized oscillator at a frequency of 79.6 Hz. A small accelerometer in a servo feedback loop is used to maintain a constant vibration level of 1 g. The calibrator can maintain the constant vibration level with loads up to 85 gm attached, allowing any transducer of up to 85 gm to be calibrated. The high accuracy of the servo control system permits the calibrator to be operated in any orientation.

OPERATION

Switch on the calibrator by depressing the small push button on the side of the housing. It can be switched off by depressing it a second time. There is a warm up time of approximately 5 seconds. To prevent overload, the calibrator automatically shuts off if a load of greater than 85 gm is applied. It will also automatically shut off after approximately 2 minutes of operation in order to prolong battery life.

The calibrator will operate for 60 full 2-minute cycles on a fresh battery. As the battery wears out, the cycle becomes rapidly shorter indicating the need to replace the battery (it is accessible by unscrewing the base of the calibrator). However, the calibrator may be used up until the battery is fully depleted without influencing the accuracy of the vibration reference level.

INSTALLATION

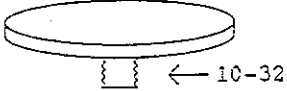

Clean the base of the transducer to be tested and the mounting pad of the hand-held calibrator to remove any dirt or grit. Apply a thin coating of grease to the base of the transducer to be tested and attach it to the hand-held calibrator by screwing its mounting stud into the 10-32 mounting hole. Torque the transducer hand tight (max 3 in. lbs.). Built in stops provide support to the drive mechanism during installation.

CALIBRATION AND REPAIR

Contact PCB regarding any problems or questions on operation or repair. PCB offers NIST traceable calibration service for this product.

The following adaptors are available for use with PCB Handheld Calibrators, to adapt transducers with mounting studs other than 10-32.

<u>PCB MODEL #</u>	<u>ADAPTS FOLLOWING MOUNTING STUD</u> <u>TO 10-32</u>
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080A83	Blank (adhesive)	
080A84	5-40	
080A85	M-3	
080A86	M-5	
080A87	M-6	

Installation (Model 080A83)

Clean the base of the transducer to be tested and the top of the 080A83 to remove any dirt or grit. Apply a thin coating of wax or grease to the base of transducer and press onto the 080A83 Adaptor. Then attach the adaptor to the handheld calibrator as described in the installation for Models 080A84-080A87. (If epoxy, "super glue", or other permanent adhesive is used, remove transducer/adaptor from handheld calibrator before trying to separate the transducer from the adaptor).

Installation (Models 080A84 - 080A87)

Clean the base of the adaptor and the mounting pad of the handheld calibrator to remove any dirt or grit. Apply a thin coating of grease to the base of the adaptor and attach it to the handheld calibrator by screwing its mounting stud into the 10-32 mounting hole. Torque the adaptor hand tight (max. 3 in.-lbs). Attach the transducer to the adaptor using the same method.



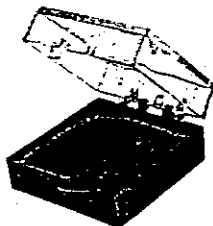
080A



080A13



080A19



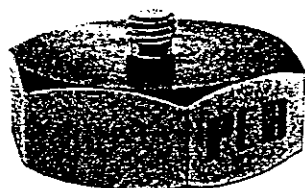
080A24



080A05



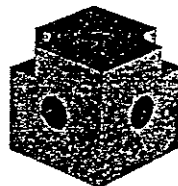
080A27



080A54



080A16



080A11



080A09



081B05



081A08



081B20



M081B20



081A21



070A09/B09

**Adhesive Mounting Bases:** For adhesively mounting accelerometers to test surface. Protects sensor from adhesive, allowing easy sensor removal. Hardcoating provides electrical isolation between the test object and the accelerometer. For proper mounting match the hex size on accelerometer to hex. size on base (or next larger size):

- 080A14 0.31" hex x 0.32" thick, accepts 10-32 threaded stud
- M080A14 0.31" hex x 8,1 mm. thick, accepts M5 x 0,8 threaded stud
- 080A15 0.31" hex x 0.125" thick, accepts 5-40 threaded stud
- M080A15 0.31" hex x 3,18 mm. thick, accepts M3 x 0,50 threaded stud
- 080A04 0.375" hex x 0.200" thick, accepts 10-32 threaded stud
- M080A04 0.375" hex x 5,08 mm. thick, accepts M3 x 0,50 threaded stud
- 080A 0.5" hex x 0.187" thick, accepts 10-32 threaded stud
- M080A 0.5" hex x 4,75 mm. thick, accepts M6 x 0,75 threaded stud
- 080A12 0.75" hex x 0.200" thick, accepts 10-32 threaded stud
- M080A12 0.75" hex x 5,08 mm. thick, accepts M6 x 0,75 threaded stud
- 080A13 0.75" hex x 0.200" thick, accepts 1/4-28 threaded stud
- 080A19 0.75" hex x 0.375" thk, accepts 10-32 threaded stud each side to provide electrical isolation with a stud mount
- 080A68 0.875" hex x 0.200" thick, accepts 10-32 threaded stud
- M080A68 0.875" hex x 5,08 mm. thick, accepts M6 x 0,75 threaded stud

**Adhesives:** For adhesive mounting sensor. Petro Wax forms quickly to irregular surfaces for easy temporary mounting. Thickness of wax affects frequency response: for best response, keep thickness to a minimum. "Super Glue" provides strong bond but can easily be removed with a quick, "sharp" force in the shear direction.

- 080A24 Petro Wax, includes four sample squares
- 080A90 Quick bonding gel provides strong bond

**Magnetic Mounting Base:** For repeated or periodic mounting on various magnetic materials. Rock magnet into place. Do not "bang" magnet square on mounting surface. Use Model 080A26 mounting base provides flat surface for mounting magnet.

- 080A05 1.0" diameter x 0.75" thick, accepts 1/4-28 threaded stud
- 080A07 1.0" diameter x 0.75" thick, accepts 10-32 threaded stud
- 080A21 2.0" diameter x 0.75" thick, accepts 10-32 threaded stud
- 080A27 0.75" hex, high strength magnet, integral 10-32 threaded stud
- 080A30 High strength miniature magnet, accepts 5-40 threaded stud
- M080A30 High strength miniature magnet, accepts M3 x 0.5 threaded stud
- 080A54 1.5" hex, high strength magnet, integral 1/4-28 threaded stud

**Triaxial Mounting Adaptor:** Adapts three standard accelerometers for monitoring vibration in three orthogonal axes. Hex size listed represents the maximum allowable hex size for mating accelerometers.

- 080A16 0.37" cube, accepts 5-40 threaded stud, 0.312 in. hex.
- M080A16 9,5 mm. cube, accepts M3 x 0,75 threaded stud, 0.312 in. hex.
- 080A17 0.812" cube, accepts 10-32 threaded stud, for shock accels.
- M080A17 20,6 mm. cube, accepts M5 x 0,8 threaded stud, for shock accels.
- 080B10 0.875" cube, accepts 10-32 threaded stud, 0.625 in. hex.
- M080B10 22,2 mm. cube, accepts M6 x 0,75 threaded stud, 0.625 in. hex.
- 080A11 1.25" cube, supplied with 10-32 threaded cap studs, 0.875 in. hex.
- 080A62 1.25" cube, supplied with 1/4-28 threaded cap studs, 0.875 in. hex.
- 080A57 1.5" cube, supplied with 1/4-28 threaded cap studs, 1.25" hex.
- 080M16 2.5" cube, supplied with 10-32 threaded cap studs, 2.25 in. hex.

**Probe Tip:** Adapts accelerometer to a hand probe for portable measurements

- 080A09 0.375" dia x 4.0" long, 10-32 threaded mounting hole

**Mounting Studs:** Used to secure accelerometer to test object. To ensure accurate readings, always mount accelerometer with the recommended mounting torque.

- 081A27 5-40 to 5-40 mounting stud
- 081B05 10-32 to 10-32 with shoulder
- M081B05 10-32 to M6 x 0,75 adaptor stud
- M081B23 10-32 to M5 x 0,8 adaptor stud
- 081A08 10-32 to 1/4-28 adaptor stud
- 081M24 10-32 to 5-40 adaptor stud
- 081B20 1/4-28 to 1/4-28 with shoulder
- M081B20 1/4-28 to M6 x 0,75 adaptor stud
- 081A21 10-32 to 10-32 electrical isolation mounting pad/stud

**Solder Connector Adaptor:** Saves time and money allowing for on-site cable repair. Supplied cap provides cable strain relief. Allows right angle connections.

- 070A09/B09 Converts micro 10-32 connectors to 2-pin solder terminals

**STOCK CABLES ARE AVAILABLE FOR OVERNIGHT DELIVERY!**

The following pages list the stock cables which are generally available for overnight delivery. Should your application require a cable that is not listed, consult the "Custom Cable Nomograph" on page 81 for ordering information.

**Series 002 GENERAL PURPOSE COAXIAL**

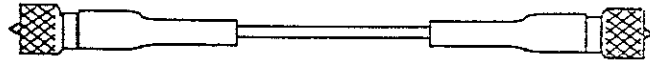
This cable is manufactured with a waterproof extruded Fep Teflon insulation jacket. Cable capacitance is 30 pF/ft. Rated to 392°F (200°C). Outside diameter is 0.080 in. (2.03 mm.) Used for most vibration testing applications.

**Series 003 LOW NOISE COAXIAL**

This cable uses a Teflon wrapped insulation jacket. Internal graphite lubricant reduces noise induced by cable whip (triboelectric effect). Cable capacitance is 30 pF/ft. Rated to 500°F (260°C). Outside diameter is 0.090 in. (2.29 mm.)

Standard 10-32 coaxial plug for connection to the sensor and terminates in a 10-32 coaxial plug.

Length	Model No.	Model No.
1 ft. (0,3 m.)	002A01	003A01
3 ft. (0,9 m.)	002A03	003A03
10 ft. (3,0 m.)	002A10	003A10
15 ft. (4,6 m.)	002A15	003A15
20 ft. (6,1 m.)	002A20	003A20
25 ft. (7,6 m.)	002A25	003A25
30 ft. (9,1 m.)	002A30	003A30
50 ft. (15,2 m.)	002A50	003A50



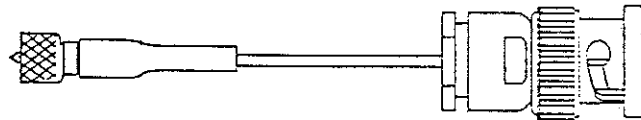
Standard 10-32 coaxial plug for connection to the sensor and terminates in a BNC jack.

Length	Model No.	Model No.
1 ft. (0,3 m.)	002B01	003B01
3 ft. (0,9 m.)	002B03	003B03



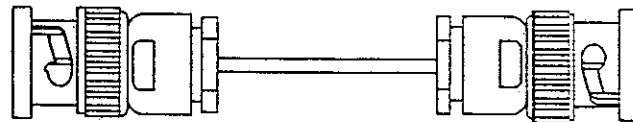
Standard 10-32 coaxial plug for connection to the sensor and terminates in a BNC plug.

Length	Model No.	Model No.
3 ft. (0,9 m.)	002C03	003C03
5 ft. (1,5 m.)	002C05	003C05
10 ft. (3,0 m.)	002C10	003C10
15 ft. (4,6 m.)	002C15	003C15
20 ft. (6,1 m.)	002C20	003C20
25 ft. (7,6 m.)	002C25	003C25
30 ft. (9,1 m.)	002C30	003C30
50 ft. (15,2 m.)	002C50	003C50
100 ft. (30,5 m.)	002C100	003C100



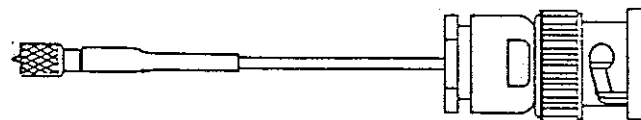
Standard BNC plug to BNC plug extension cable.

Length	Model No.	Model No.
3 ft. (0,9 m.)	002T03	003D03
10 ft. (3,0 m.)	002T10	003D10
20 ft. (6,1 m.)	002T20	003D20



Standard 5-44 coaxial plug for connection to the sensor and terminates in a BNC plug.

Length	Model No.	Model No.
5 ft. (1,5 m.)	002P05	003P05
10 ft. (3,0 m.)	002P10	003P10
15 ft. (4,6 m.)	002P15	003P15
25 ft. (7,6 m.)	002P25	003P25





**Series 007 GENERAL PURPOSE**

Lightweight, flexible, 2-conductor ribbon cable (AWG 32) with red/black PVC insulation: 35 pF/ft, maximum temperature 221°F (105°C). Single cable diameter 0.03 in (0,8 mm). Excellent for high shock applications.

10-32 solder adaptor for connection to sensor and terminates in 10-32 solder adaptor.

Length	Model No.
5 ft. (1,5 m.)	007A05
10 ft. (3,0 m.)	007A10
15 ft. (4,6 m.)	007A15

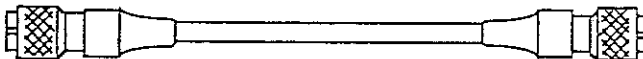


**Series 010 TRIAXIAL**

Twisted, shielded four conductor cable for use with triaxial accelerometers. Teflon outer jacket. Cable capacitance is 40 pF/ft. Rated to 400°F (204°C). Outside diameter is 0.15 in. (3,8 mm.)

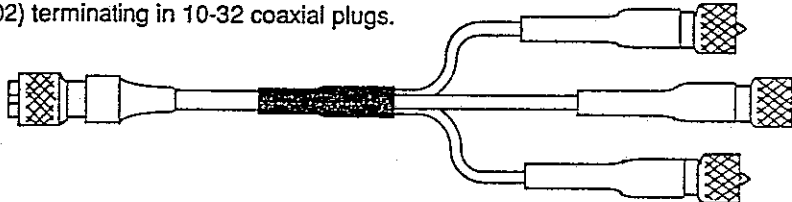
Standard 4-pin Microtech plug for connection to the sensor and terminates in a 4-pin Microtech plug.

Length	Model No.
10 ft. (3,0 m.)	010D10
25 ft. (7,6 m.)	010D25



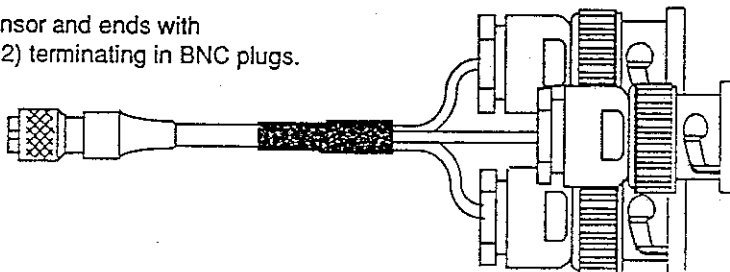
Standard 4-pin Microtech plug for connection to the sensor and ends with three 6 inch (0,15 m.) long general purpose cables (002) terminating in 10-32 coaxial plugs.

Length	Model No.
5 ft. (1,5 m.)	010F05
10 ft. (3,0 m.)	010F10
15 ft. (4,6 m.)	010F15
20 ft. (6,1 m.)	010F20
25 ft. (7,6 m.)	010F25



Standard 4-pin Microtech plug for connection to the sensor and ends with three 6 inch (0,15 m.) long general purpose cables (002) terminating in BNC plugs.

Length	Model No.
5 ft. (1,5 m.)	010G05
10 ft. (3,0 m.)	010G10
15 ft. (4,6 m.)	010G15
20 ft. (6,1 m.)	010G20
25 ft. (7,6 m.)	010G25
50 ft. (15,2 m.)	010G50

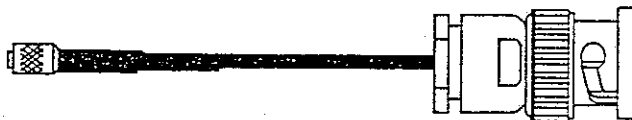


**Series 018 LIGHTWEIGHT/MINIATURE**

Miniature coaxial cable uses a vinyl insulation jacket. For use with lightweight accelerometers to minimize mass loading. Cable capacitance is 48 pF/ft. Rated to 220 °F (104 °C). Outside diameter is 0.054 in. (1,37 mm.)

Standard 5-44 coaxial plug for connection to the sensor and terminates in a BNC plug.

Length	Model No.
5 ft. (1,5 m.)	018C05
10 ft. (3,0 m.)	018C10
15 ft. (4,6 m.)	018C15
25 ft. (7,6 m.)	018C25



Standard 5-44 coaxial plug for connection to the sensor and terminates in a 10-32 coaxial plug.

Length	Model No.
5 ft. (1,5 m.)	018G05
10 ft. (3,0 m.)	018G10
15 ft. (4,6 m.)	018G15
25 ft. (7,6 m.)	018G25



## Series 012 STANDARD BLACK COAXIAL

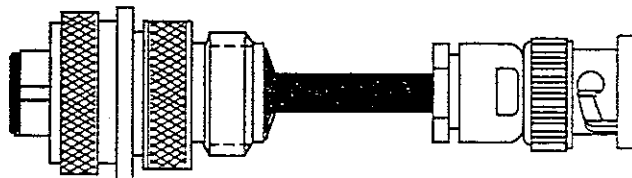
Low cost, black coaxial cable (RG58/U) similar to standard household television cable. Ideal for running long cables. Cable capacitance is 36 pF/ft. Rated to 176°F (80°C). Outside diameter is 0.195 in. (4,95 mm.)

Military style (MS3106) two-pin connector for connection to the sensor and terminates in a BNC plug.

Length	Model No.	Model No.
10 ft. (3,0 m.)	012R10	024R10
20 ft. (6,1 m.)	012R20	024R20
50 ft. (15,2 m.)	012R50	024R50
100 ft. (30,5 m.)	012R100	024R100

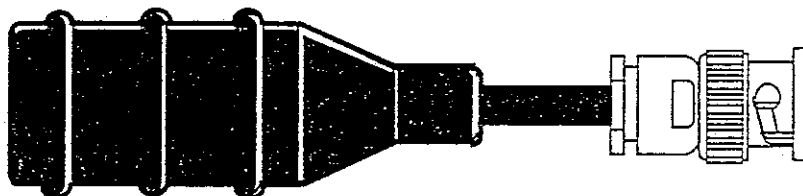
## Series 024 INDUSTRIAL TWISTED SHIELDED

Polyurethane jacketed cable withstands industrial oils and fluids. For use in factories where RFI and EMI is present. Cable capacitance is 36 pF/ft. Rated to 250°F (121°C). Outside diameter is 0.25 in. (6,35 mm.) 90% braided shield.



"Environmentally sealed" two-pin splashproof boot for connection to the sensor and terminates in a BNC plug.

Length	Model No.	Model No.
10 ft. (3,0 m.)	012E10	024E10
15 ft. (4,6 m.)	012E15	024E15
20 ft. (6,1 m.)	012E20	024E20
50 ft. (15,2 m.)	012E50	024E50
100 ft. (30,5 m.)	012E100	024E100



BNC plug to-BNC plug extension cable.

Length	Model No.	
3 ft. (0,9 m.)	012A03	
10 ft. (3,0 m.)	012A10	(Series 024 cable is not recommended in this configuration.)
15 ft. (4,6 m.)	012A15	
20 ft. (6,1 m.)	012A20	
50 ft. (15,2 m.)	012A50	
100 ft. (30,5 m.)	012A100	

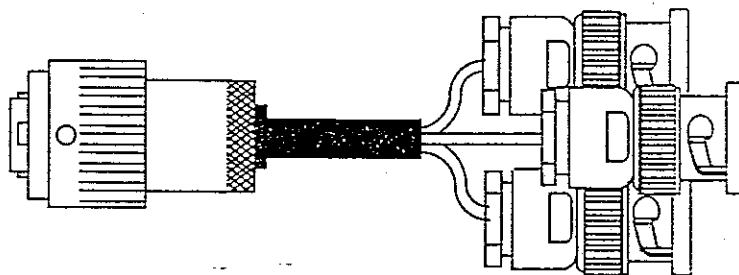


## Series 059 INDUSTRIAL TRIAXIAL

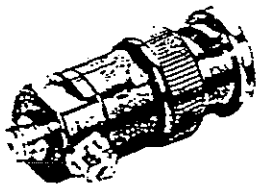
Polyurethane-jacketed cable withstands industrial oils and fluids. Four-conductor design for use with triaxial accelerometers. Cable capacitance is 36 pF/ft. Rated to 250 °F (121 °C). Outside diameter is 0.25 in. (6,35 mm.) 90% braided shield.

Military style connector (MS3116) for connection to the sensor and terminates in three BNC plugs.

Length	Model No.
10 ft. (3,0 m.)	059C10
15 ft. (4,6 m.)	059C15
20 ft. (6,1 m.)	059C20
50 ft. (15,2 m.)	059C50

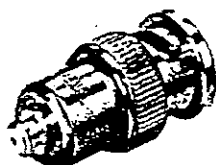


Other cables should be ordered according to the "custom cable ordering guide" on the facing page.



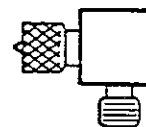
070A01

**SCOPE INPUT T CONNECTOR:** Two coaxial 10-32 jacks to one BNC plug. Adapts BNC jack to two 10-32 coaxial jacks.



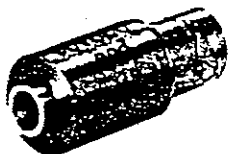
070A02

**SCOPE INPUT ADAPTOR:** 10-32 coaxial jack to BNC plug. Adapts BNC jack to a 10-32 coaxial jack.



070A20

**10-32 COAXIAL RIGHT ANGLE CONNECTOR ADAPTOR:** 10-32 coaxial jack to 10-32 coaxial plug. For use in confined locations.



070A03

**CONNECTOR ADAPTOR:** 10-32 coaxial plug to BNC jack. Used for converting 10-32 coaxial connector on power supplies to a BNC jack.



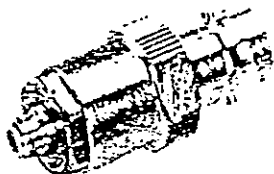
070A05

**10-32 COAXIAL FEED-THRU CONNECTOR:** 10-32 coaxial jack to 10-32 coaxial jack. Joins two cables terminating in 10-32 coaxial plugs.



076A05

**10-32 COAXIAL CONNECTOR:** 10-32 coaxial plug. Requires Model 076A25 connector tool for emergency field repair of cables.



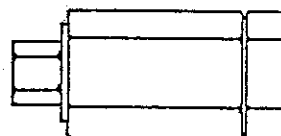
070A08

**CABLE ADAPTOR:** 10-32 coaxial jack to BNC jack. Joins cables terminating in a BNC plug and a 10-32 coaxial plug.



076A06 / 076A07

**10-32 COAXIAL CONNECTOR AND CABLE STRAIN RELIEF:** Requires tools contained Model 076A31 Kit.



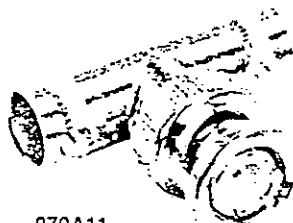
076A25

**10-32 COAXIAL CONNECTOR TOOL:** Used to attach Model 076A05 standard 10-32 coaxial connector to cable end.

20 - Model 076A06/A07  
1 - Crimping Tool  
1 - Connection Tool

076A31

**MICRODOT CONNECTOR KIT:** Includes tools and 20 Model 076A06/A07 connectors.



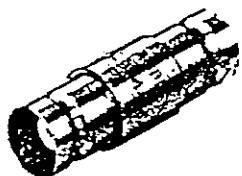
070A11

**BNC T CONNECTOR:** BNC plug to two BNC jacks. Used as a cable splitter.

20 - Model 076A05  
1 - Model 076A25  
(see above)

076A30

**MICRODOT CONNECTOR KIT:** One Model 076A25 tool and 20 Model 076A05 connectors.



070A12

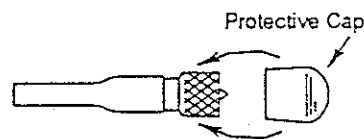
**BNC COUPLER:** BNC jack to BNC jack. Joins two cables terminating in BNC plugs.



1/4" Max Wall Thk  
5/16"-32 Mtg Thd

070A14

**10-32 HERMETIC FEED-THRU:** 10-32 coaxial jack to 10-32 coaxial jack. Tapped 5/16-32.



085A09

**PLASTIC PROTECTIVE CAP:** Used to protect conductors on 10-32 coaxial plugs.



1/8" Max Wall Thk  
1/2"-28 Mtg Thd

070A13

**HERMETIC FEED-THRU ADAPTOR:** 10-32 coaxial jack to BNC jack. Hermetic, bulkhead connects BNC plug to 10-32 coaxial jack.



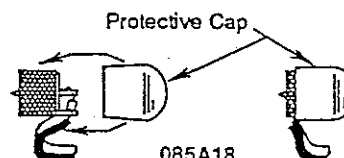
070A09



070B09

Signal/  
Power  
Gnd  
10-32 Thd  
Coax. Plug

**SOLDER CONNECTOR ADAPTORS:** 10-32 coaxial plug to solder terminals. For making 'on-site' cables. User repairable.



085A18

**PLASTIC PROTECTIVE CAP:** Provides strain relief for 007 and 031 type cables when attached to Model 070B09 solder connector adaptor.