DWG NO. PCX-901 SH 1 REV A

ZONE	REV	REVISIONS DESCRIPTION	DATE	APPD
	A	DWG NO WAS 500-0014, ADDED RF MC3PA COIL SPECIFICATIONS. (CS)	970519	

PICKUP COIL SPECIFICATIONS:

MODEL NOS. PC13-74G AND PC13-74S:
A STANDARD RELUCTANCE TYPE PICKUP COIL, OUR MOST POPULAR UNIVERSAL COIL USED ON FLOWMETERS, TACHOMETERS, PUMPS, GEARS AND A WIDE VARITY OF APPLICATIONS.

PC13-74G, PC13-110G, PC13-108G, PC13-74EX:
DC RESISTANCE: 1800 ±10%
OVERALL LENGTH: 2 23/32" (WITHOUT TIP)
INDUCTION: 1.3H ±10%
GAUSS: 850 ±10%

PC13-74S:
DC RESISTANCE: 1850 ±15%
OVERALL LENGTH: 2 23/32" (WITHOUT TIP)
INDUCTION: 1.5H ±20%
GAUSS: 700 ±20%

MODEL NO. PC13-70G:
OUR SMALLEST RELUCTANCE TYPE PICKUP COIL. THE SAME ELECTRICALLY AS THE PC13-74, EXCEPT THE PHYSICAL DIMENSIONS, USED ONLY WHERE HEIGHT AND SIZE ARE A FACTOR.

PC13-70G:
DC RESISTANCE: 1800 ±10%
OVERALL LENGTH: 1 27/32" (WITHOUT TIP)
INDUCTION: 1.4H ±10%
GAUSS: 900 ±10%

MODEL NOS. PC24-45G AND PC24-45S:
A STANDARD RELUCTANCE, LOWER MAGNETIC DRAG TYPE PICKUP COIL. USED ON SMALL DEVICES THAT ARE TO BE SENSED, OR ANYWHERE IT IS DESIRABLE TO HAVE A LESSER AMOUNT OF MAGNETIC INFLUENCE INDUCED UPON THE DEVICE BEING SENSED, THUS REDUCING ANY MAGNETIC DRAG. THIS COIL HAS AMPLE SIGNAL OUTPUT AND INCREASES THE RANGE ON SMALL FLOWMETERS, MICRO FLOWMETERS, AND OTHER SIMILAR DEVICES.

PC24-45G, PC24-115G, PC24-45EX, PC24-113G:
DC RESISTANCE: 1350 ±10%
OVERALL LENGTH: 2 9/32" (WITHOUT TIP)
INDUCTION: 1.7H ±10%
GAUSS: 350 ±10%

PC24-45S:
DC RESISTANCE: 1850 ±15%
OVERALL LENGTH: 2 9/32" (WITHOUT TIP)
INDUCTION: 1.5H ±20%
GAUSS: 250 ±20%

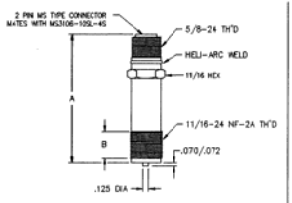
MODEL NOS. PC28-13G AND PC28-14G

PC28-13G:
DC RESISTANCE: 120 ±20%
OVERALL LENGTH: 3.125" (WITHOUT TIP)
HIGH DRAG

PC28-14G:
DC RESISTANCE: 180 ±20%
OVERALL LENGTH: 3.125" (WITHOUT TIP)
LOW DRAG

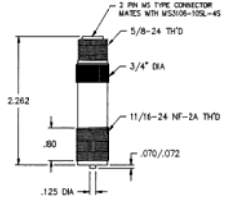
MODEL NO. MC3PA RF COIL
DC COIL RESISTANCE: 12.0 OHMS ±10%
COIL INDUCTANCE: 1 MILLIHENRY ±10%
OPERATING TEMPERATURE: -325°F TO +325°F

PICKUP COIL PART NO. TO STOCK NO.	
PART NO.	STOCK NO.
PC13-70G	300-6014
PC13-74G	300-6003
PC13-74S	300-6004
PC24-45G	300-6005
PC24-45S	300-6006
PC28-13G	300-6008
PC28-14G	300-6011
PC13-110G	300-6002
PC13-108G	300-6017
PC24-115G	300-6019
PC24-45EX	300-6007
PC13-74EX	300-6022
PC24-113G	300-6020
MC3PA	300-6001

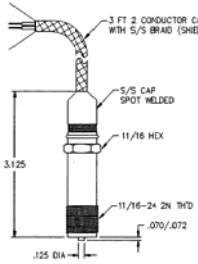


PICKUP COIL DIMENSIONS

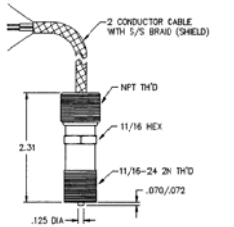
	DIMENSION 'A'	DIMENSION 'B'
PC13-70G	1 27/32"	.562
PC13-74G	2 23/32	.562
PC24-45G	2 9/32	.562
PC24-113G	3 13/32	1.15
PC13-110G	2.695	.562
PC13-108G	1.975	.562



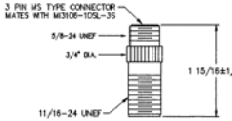
PICKUP COIL DIMENSIONS
PC13-74S
PC24-45S



PICKUP COIL WITH PIGTAIL
PC28-13G
PC28-14G



PICKUP COIL WITH PIGTAIL
PC24-45EX



RF PICKUP COIL DIMENSIONS
MC3PA

NEXT ASSY	USED ON	APPLICATION	MATERIAL	FINISH	DRAWN SHEET 970521 CHECK J.DIETO 970522 PRODUCTION M.K.VAUGHN 970522 ENGR APPR. KRH 970522

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. ALL DIMENSIONS ARE TO BE HELD AS FINISHED.

TOLERANCES:
FRACTIONS ± .03
DECIMALS ± .01
ANGLES ± 1°

HOFFER FLOW CONTROLS, INC
ELIZABETH CITY, NC 27909

SIZE D | CAGE CODE 33321 | DWG NO PCX-901 | REV A
SCALE N/A | SHEET 1 OF 1

PICKUP COIL SPECIFICATIONS

DWG NO. PCX-902 SH 1 REV B

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPD
	A	CORRECTED COLOR IN PIN CONNECTIONS, (WHT) WAS (RED) PER ECP 437.	980218	ES
	B	ADDED OPTIONAL 5/8-18 TH'D	980435	

SPECIFICATIONS:

RP-M SERIES:

VARIABLE RELUCTANCE (LOW MAGNETIC DRAG) TYPE PICKUP COIL WITH SELF-CONTAINED PREAMPLIFIER PROVIDING A CONDITIONED PULSE OUTPUT.

INPUT POWER: 8-30VDC, 10mA MAXIMUM @ NO LOAD
PULSE OUTPUT TYPES: TTL/CMOS
OPEN COLLECTOR - 400mA MAX. CURRENT
0-10VDC SQUARE WAVE

FREQUENCY RANGE: 2Hz TO 10kHz DEPENDING ON METER
GAUSS: 320±10%
OPERATING TEMPERATURE: -20°C TO 85°C
STORAGE TEMPERATURE: -65°C TO 150°C

RP-R SERIES:

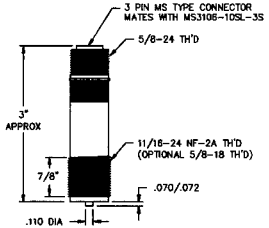
MODULATED CARRIER (RF) TYPE PICKUP COIL WITH SELF-CONTAINED PREAMPLIFIER PROVIDING A CONDITIONED PULSE OUTPUT.

INPUT POWER: 8-30VDC, 10mA MAXIMUM @ NO LOAD
PULSE OUTPUT TYPES: TTL/CMOS
OPEN COLLECTOR - 400mA MAX. CURRENT
0-10VDC SQUARE WAVE

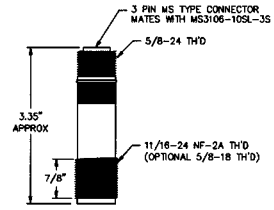
FREQUENCY RANGE: 2Hz TO 5kHz DEPENDING ON METER
OPERATING TEMPERATURE: -20°C TO 85°C
STORAGE TEMPERATURE: -65°C TO 150°C

PIN CONNECTIONS:

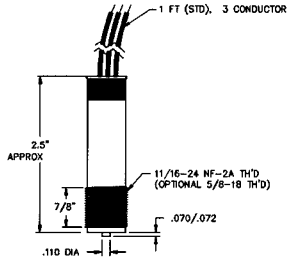
PIN 'A' (RED): INPUT POWER (+)
PIN 'B' (BLK): COMMON (-)
PIN 'C' (WHT): PULSE OUTPUT (+)



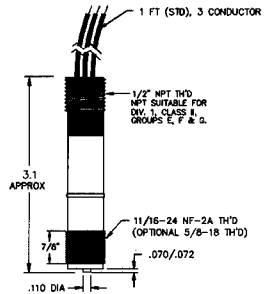
MAG. REDI-PULSE WITH CONNECTOR



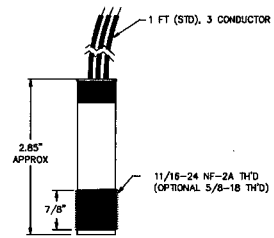
RF REDI-PULSE WITH CONNECTOR



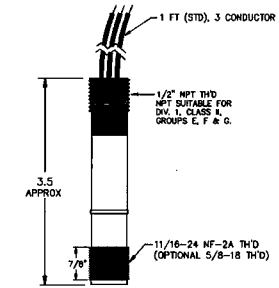
MAG. REDI-PULSE POTTED



MAG. REDI-PULSE NPT



RF REDI-PULSE POTTED



RF REDI-PULSE NPT

MATERIAL
FINISH
NEXT ASSY
USED ON
APPLICATION

DRWN SWEET
CHK'D E.SALVO
ENG APP V.KEPKA
MFG APP

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ± 1/64
ANGULAR ± 1°

HOFFER FLOW CONTROLS, INC
ELIZABETH CITY, NC 27909

TITLE
PICKUP COIL SPECIFICATIONS - REDI-PULSE

SIZE D | CAGE CODE 33321 | DWG NO PCX-902 | REV B
SCALE N/A | SHEET 1 OF 1