

ALL PRODUCT SPECIFICATIONS ARE APPLICABLE AT STANDARD CONDITIONS:
1013 MILLIBAR, 25° C DRY AIR.

1. Output:
13.0 to 17.0 mV
2. Operation:
Temperature: 0° – 40° C
Pressure: 600 – 1750 mBar
Relative Humidity: up to 100% RH
(Condensing atmosphere over several hours)
3. Storage Temperature Range:
–20° to 60 °C
5° to 30°C Recommended
4. Range of Measurement (Full Scale):
0 to 100% oxygen
5. Zero Offset:
Less than or equal to 0.20 mV when exposed to
100% nitrogen for 5 minutes
6. 90% Response Time:
Less than or equal to 13 seconds
7. Linearity:
<3% error
8. Stability:
Less than 1% of full scale over an 8 hour period
between 20% and 100% Oxygen.

9. Repeatability:
±1% volume oxygen @ 100%
applied for 5 minutes
10. Interference:
Less than .5% oxygen response to 80% Nitrous oxide
Less than .5% oxygen response to 7.5% Halothane
Less than .5% oxygen response to 7.5% Isoflurane
Less than .5% oxygen response to 7.5% Enflurane
Less than .5% oxygen response to 9% Sevoflurane
Less than .5% oxygen response to 20% Desflurane
Less than .5% oxygen response to 10% Carbon Dioxide
11. Nominal Life:
> 1,000,000% oxygen hours under normal operating conditions
12. Warm-up Time:
Less than 30 minutes after replacement of sensor
13. Electrical Interface:
R115P01–001 and R115P03 USE KOBICONN CONNECTOR P/N 171–PA2281–2–E
2.5 mm Male Phone Plug (Tip = Negative)
attached to 26 AWG cable.

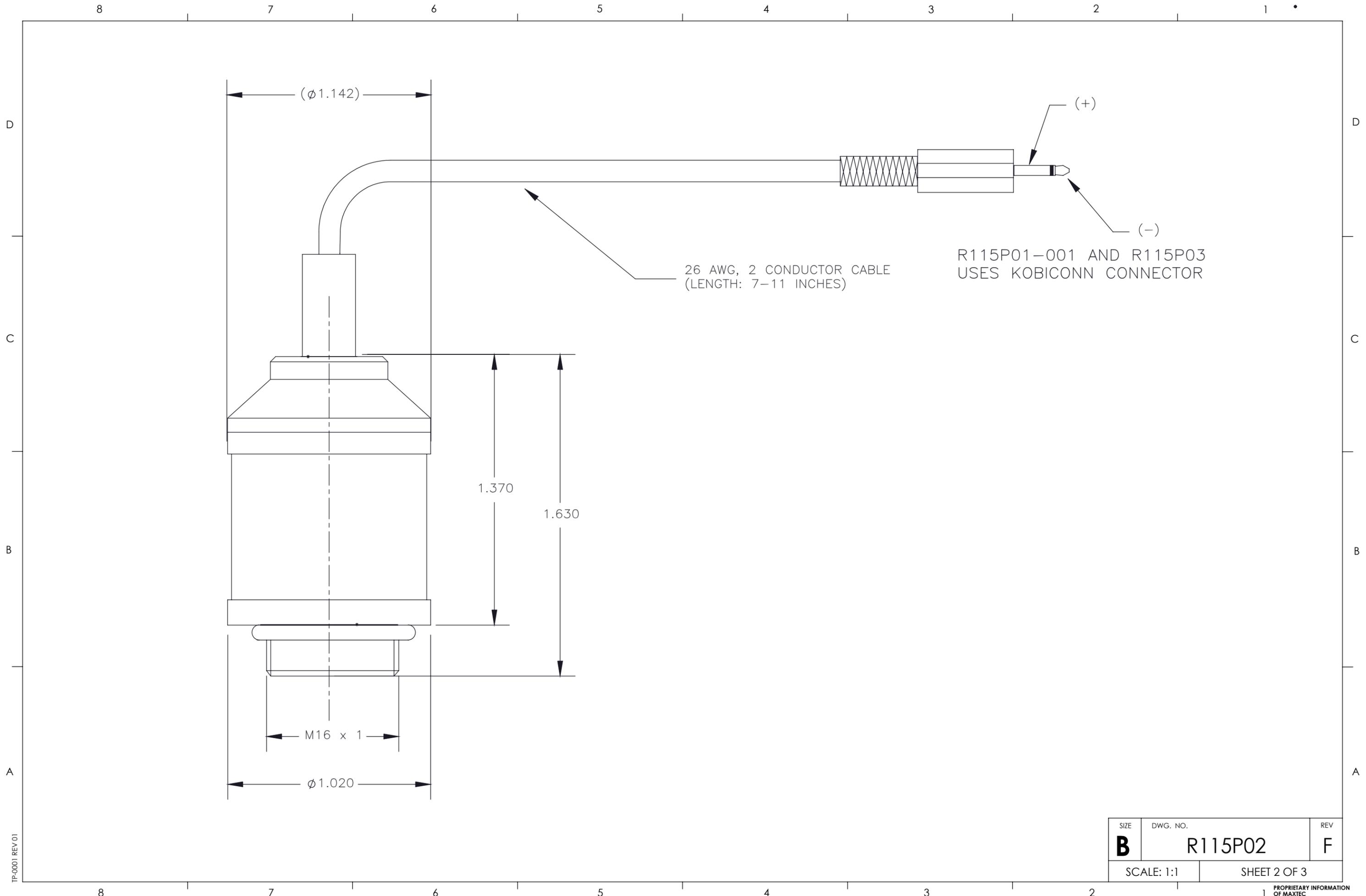
R115P03–002 USE SWITCHCRAFT P/N TR2A
2.5 mm Female Phone Receptacle (Tip = Negative)

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TP-0001 REV 01

REVISION DETAIL 1. Change Kobiconn connector part number from RM-558 to 171-PA2281-2-E. 2. Change connector description from 3.5 mm to 2.5 mm. 3. Update title block.		mextec ® SALT LAKE CITY, UTAH <small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND PER ASME Y14.5-2009</small> .XX = ± .01 ANGLES ±0° 30' .XXX = ± .005 .XXXX = ± .002		SPECIFICATIONS, MAX-13C OXYGEN SENSOR	
DRAWN BY: Z. HANSEN	DATE: 5/22/18	SIZE B	DWG. NO. R115P02	REV F	SCALE: 1:1 SHEET 1 OF 3

Released

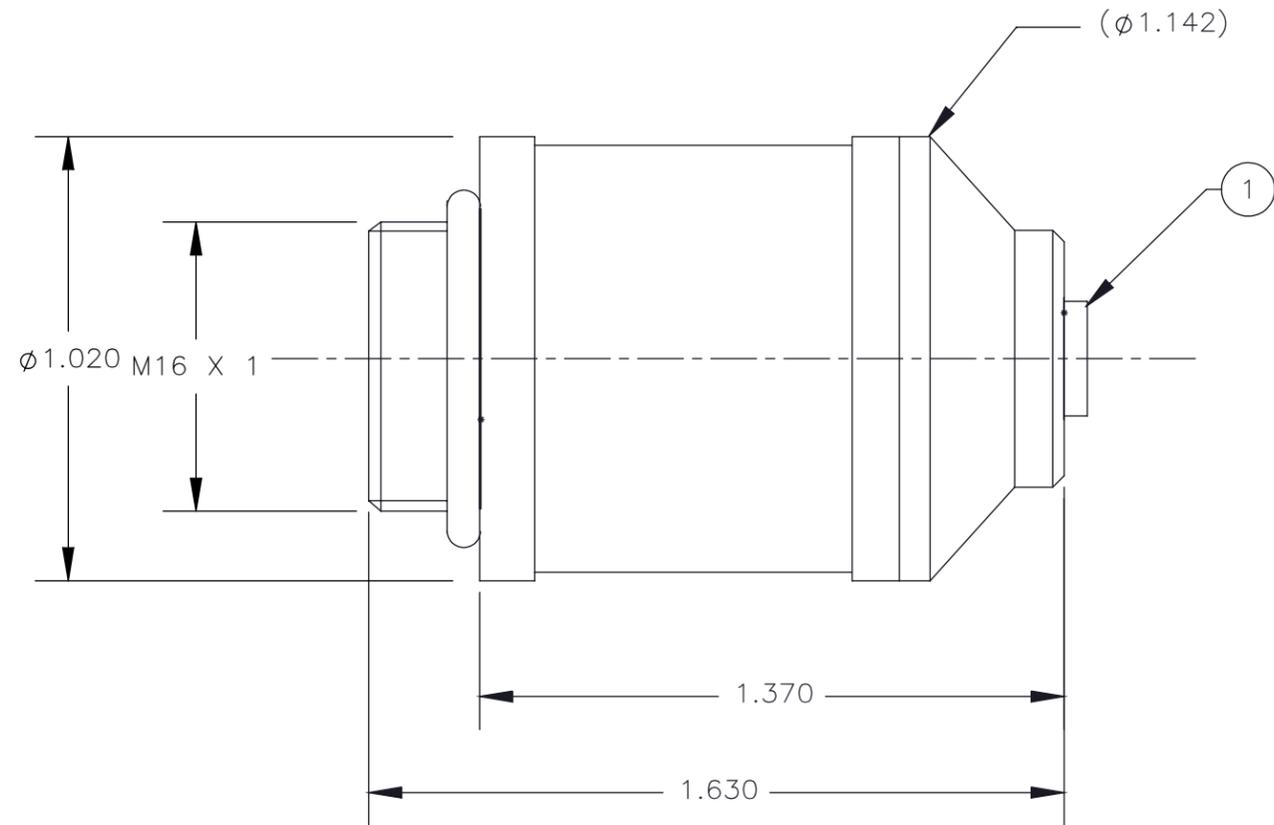


TP-0001 REV 01

SIZE	DWG. NO.	REV
B	R115P02	F
SCALE: 1:1		SHEET 2 OF 3

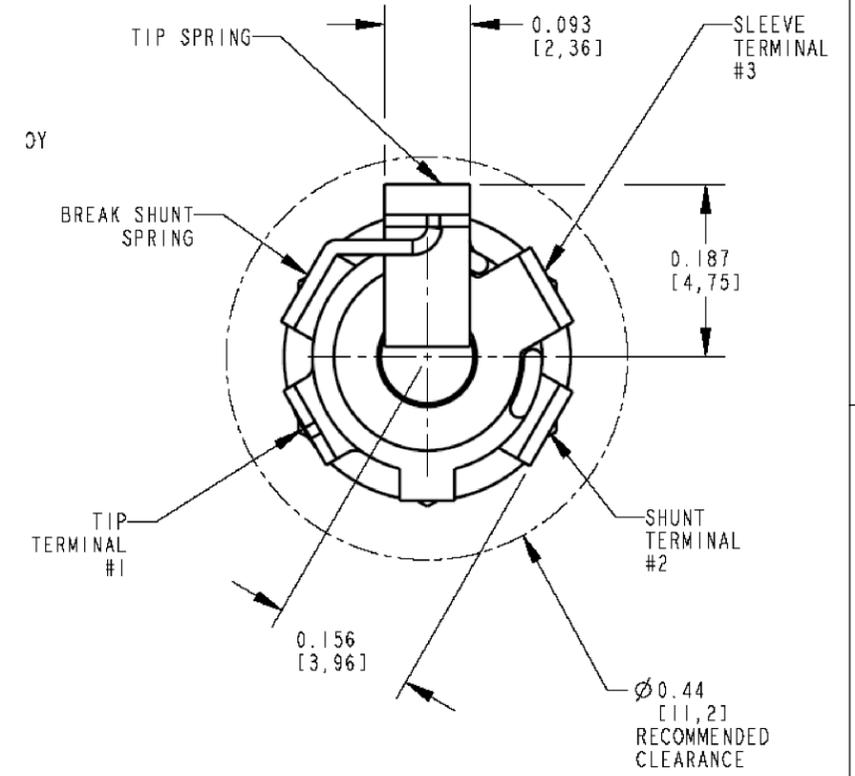
1 PROPRIETARY INFORMATION OF MAXTEC

ITEM	QTY	U/M	DESCRIPTION	APPROVED MFR. #1	DIGIKEY PN
1	1	EA	PHONO JACK .101 SUBMINI 2COND	SWITCHCRAFT INC: TR2A	SC1514-ND

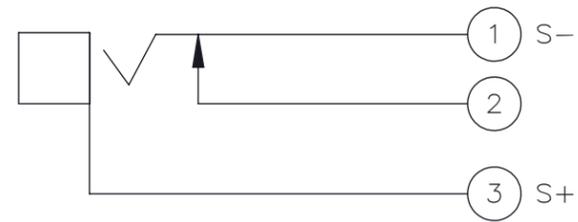


PIN LEGEND.		
PIN	WIRE	FUNCTION
1-TIP	BLACK	S-
2-SHUNT		
3-SLEEVE	WHITE	S+

R115P03-002 USES SWITCHCRAFT TR2A OR EQUIVALENT CONNECTOR



TR2A TERMINATION DETAIL



SCHEMATIC

SIZE B	DWG. NO. R115P02	REV F
SCALE: 1:1		SHEET 3 OF 3

TP-0001 REV 01

PROPRIETARY INFORMATION OF MAXTEC

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