# Technical Data // Series 7860 • 7860/G

PTR HARTMANN
A Phoenix Mecano Company

High Frequency Test Probe - Impedance 50 Ohm - up to 6 GHz

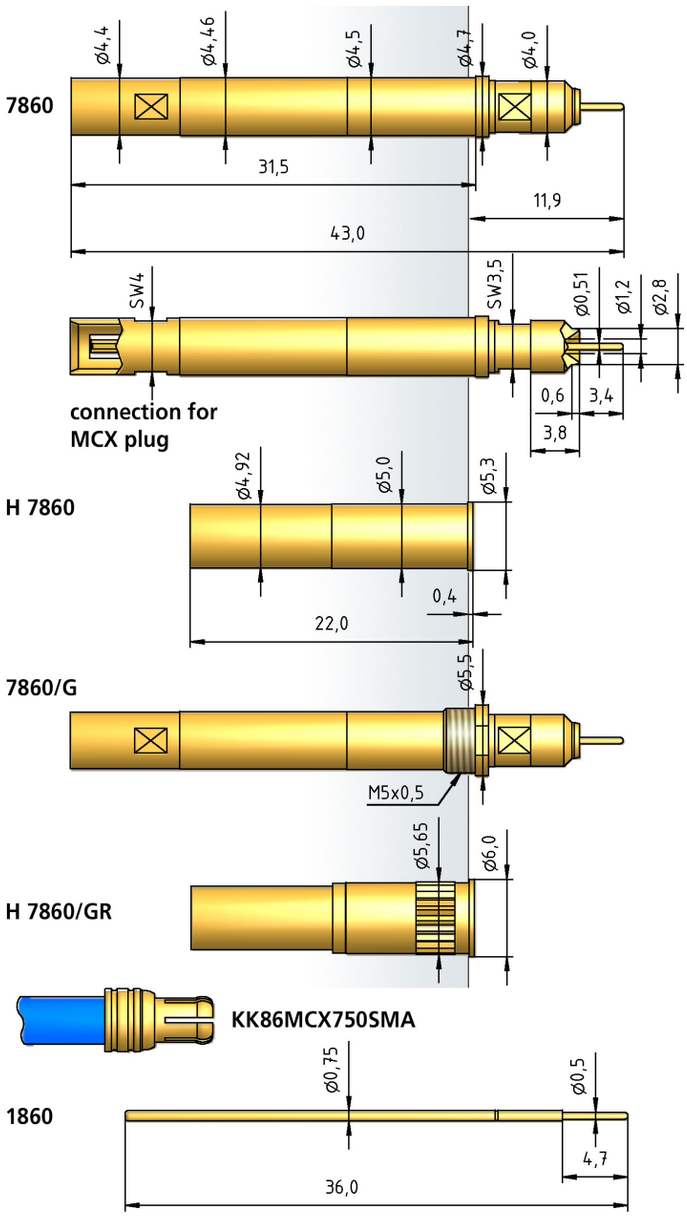
| | |
|---|---|
| **HIGHLIGHTS** | |
| For high frequency measurements | |
| Compact design | |
| Suitable for multi-connectors MM8130 ? MM8430 ? MS156 | |
| Also screwable type available | |
| Inner conductor and outer tip are independently of each other and interchangeable | |
| **MECHANICAL DATA - Inner Conductor** | |
| Full travel | 3.70 mm |
| Working travel | 2.00 mm |
| Pre-loaded spring force | 0.65/ 0.95 N |
| Spring force at working travel | 1.30/ 2.00 N |
| **MECHANICAL DATA - Outer Conductor** | |
| Full travel | 5.00 mm |
| Working travel | 4.00 mm |
| Pre-loaded spring force | 1.50/3.00/4.00 N |
| Spring force at working travel | 4.00/6.00/8.00 N |
| **TOTAL SPRING FORCE** | |
| Total spring force by working travel | 5.30/ 6.00/ 7.30/ 8.00/ 9.30/ 10.00 N |
| **ELECTRICAL DATA - Inner Conductor** | |
| Impedance | 50 Ohm |
| Frequency range | up to 6 GHz |
| **Test Application** | |
| Device under test (DUT) | MM8130 ? MM8430 ? MS156 |
| Gender | female / socket |
| Device under test (DUT) | |
| **MATERIALS** | |
| Barrel | Brass, gold-plated |
| Spring | Steel, gold-plated |
| Plunger | CuBe, gold-plated |
| **AVAILABLE SCREW TOOLS** | |
| Article Designation | max. Tip Diameter |
| WFS 7860/G-8.0 | 8.0 |
| **CABLE DATA** | |
| Type | Multiflex 86 |
| Length | 750 mm |
| Connection test probe | MCX |
| Connection testing technology | SMA |

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**MM8130 • MM8430 • MS156**



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## HOW TO ORDER - Inner Conductor

| 1860 | - | D | - | 1.3 N | - | Au | - | 0.5 | C |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | | 3 | | 4 | | 5 | 6 |

1. Series 2. Tip Style 3. Spring Force
4. Tip Plating 5. Tip Diameter 6. Tip Material (only for CuBe)

## HOW TO ORDER - Complete Test Probe

| 7860/ | G | - | Z2 | D | - | 5.3 N | - | Au | - | 2.8/ | 0.5 | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | | 5 | | 6 | | 7 | 8 | 9 |

1. Series 2. Variant Threaded Design 3. Outer Conductor Tip
4. Inner Conductor Tip 5. Total Spring Force
6. Tip Plating 7. Outer Tip Diameter 8. Inner Tip Diameter
9. Tip Material (only for CuBe)