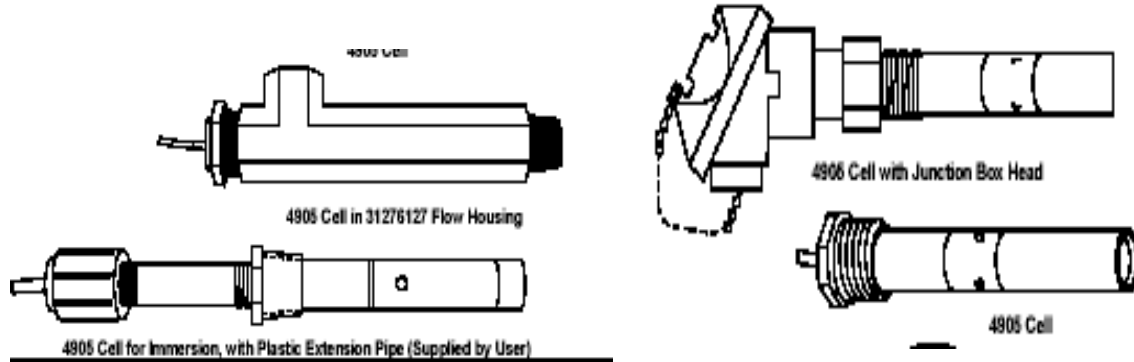


4905 Conductivity Cells

Model Selection Guide



Instructions

- Consult **Steps to Selecting Appropriate Conductivity Instrumentation and Cells** before making selections below. (Section 2 INTRO)
- Select the desired key number. The arrow to the right marks the selection available.
- Make one selection from each Table using the column below the proper arrow.
- A dot denotes unrestricted availability. Restrictions follow Table VI.
- For immersion applications, temperature should not exceed 85°C.

Key Number I II III IV V VI VII
 - - - - - - -

KEY NUMBER

| Description | Selection | Availability |
|-------------------------|-----------|--------------|
| 04905 Conductivity Cell | 04905 | ↓ |

TABLE I - CELL CONSTANT

| | | |
|------|-----|---|
| 0.01 | 001 | • |
| 0.1 | X01 | • |
| 1 | XX1 | • |
| 10 | X10 | • |
| 50 | X50 | • |

TABLE II - ELECTRODE MATERIAL

| | | |
|-------------------|----|---|
| Nickel (Note 1) | 33 | e |
| Platinum (Note 1) | 44 | e |
| Monel (Note 3) | 55 | d |

TABLE III - AUTOMATIC TEMPERATURE COMPENSATION

| | | |
|--------------------------------|-----|---|
| For APT2000/4000CC and UDA2182 | 333 | • |
|--------------------------------|-----|---|

04905

TABLE IV - Cable Options

| | | Selection | Availability |
|---------------|--|-----------|--------------|
| Cable Options | 20 ft. (6,10 meters) Leadwire (Note 2) | 20 | • |
| | 50 ft. (15,25 meters) Leadwire | 50 | f |
| | Quick Disconnect Connector (Note 4) | QD | f |
| | Universal Head (Aluminum) | X1 | • |

TABLE V - Special Insertion Lengths

| Special Insertion Length | | | |
|---------------------------|--|-----|---|
| None | | 000 | • |
| 4.4 in. (111,76 mm) extra | | 910 | • |

TABLE VI - OPTIONS

| | | | |
|--|-----------------|-----|---|
| Tagging | None | 0__ | • |
| | Linen | L__ | • |
| | Stainless Steel | S__ | • |
| Certificate of Calibration & Conformance | No | _0_ | • |
| | Yes | _1_ | • |
| Future | | __0 | • |

TABLE VII - FACTORY USE

| | | | |
|------------------|--|-----|---|
| Factory Use Only | | 000 | • |
|------------------|--|-----|---|

Note 1: Platinum is used in acid and base applications; Nickel is used in all others

Note 2: If shorter length is required, cut to length, skin and tin ends.

Note 3: For all constant 0.1 cells. Monel is used in all applications.

Note 4: Please order corresponding Quick Disconnect sensor-to-instrument cable from accessory table.

RESTRICTIONS

| Restriction Letter | Available Only With Selection | | Not Available With Selection | |
|--------------------|-------------------------------|-----|------------------------------|-----|
| | Table | | Table | |
| d | I | X01 | | |
| e | | | I | X01 |
| f | | | V | 910 |

4905 Conductivity Cells

Accessories and Replacement Parts

Accessory Parts

Part Number

| | |
|---|--------------|
| PES Flow Chamber | 276127 |
| Junction Box | 50034477-501 |
| Extension Cables for Sensors with Quick Disconnect Option: | |
| 2 m (6.56 ft) | 50024092-501 |
| 3 m (9.84 ft) | 50024092-502 |
| 6 m (19.69 ft) | 50024092-503 |
| 15m (49.21 ft) | 50024092-504 |
| <i>Only Honeywell Extension Cables can be used</i> | |
| Direction Manual | 70-82-25-18 |