

Model Selection Guide with Price Data

Model Selection Guide
36-CM-16-45 Issue 7

Honeywell Proprietary

- Broad Range of Operating Temperatures
- Wide Range of Gas Applications
- Excellent zero stability
- Low energy consumption, low operating and installation costs
- Rapid signal processing even with product and temperature changes and sudden changes in density
- Modular electronics concept: electronics and sensor easy to replace



Instructions

Select the desired key number. The arrow to the right marks the selection available.
Make the desired selections from Tables I through VIII using the column below the proper arrow. A dot (*) denotes availability.

| Table | I | II | III | IV | V | VI | VII | VIII | IX |
|-------|---|------|-----|----|----|------|-----|------|----|
| CM77 | 4 | ---- | - | -- | -- | ---- | - | -- | - |

List Price equals the sum of prices for all selections made.

| KEY NUMBER | Description | Selection | Availability |
|------------|---------------------|-----------|--------------|
| CM77 | Coriolis 6000 DN100 | CM77 | ↓ |

TABLE I

| Sensor | Selection | Availability |
|--------|-----------|--------------|
| | 4 | * |

TABLE II

| Tube Material | Description | Selection | Availability |
|--|---|-----------|--------------|
| 316 / 316 L Dual certified Stainless Steel | | S--- | * |
| UNS S31803 Duplex | | D--- | * |
| Surface Finish | Standard | - 0 | * |
| DN 80 PN 16 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- F7 | i |
| DN 80 PN 40 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- FA | i |
| DN 80 PN 63 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- FB | i |
| DN 80 PN 100 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- FC | i |
| DN 80 PN 160 to DIN 2501 | (Tube material UNS S31803 Duplex only) | -- F4 | b |
| DN 100 PN 16 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- G7 | i |
| DN 100 PN 40 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- GA | i |
| DN 100 PN 63 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- GB | i |
| DN 100 PN 100 to DIN 2501 | (Tube material SS316 / 316L dual certified only) | -- GC | i |
| DN 100 PN 160 to DIN 2501 | (Tube material UNS S31803 Duplex only) | -- G4 | b |
| 3" ANSI 150 lb | (Tube material SS316 / 316L dual certified only) | -- R D | n |
| 3" ANSI 300 lb | (Tube material SS316 / 316L dual certified only) | -- R E | n |
| 3" ANSI 600 lb | (Tube material SS316 / 316L dual certified only) | -- R F | n |
| 3" ANSI 900 lb | (Tube material UNS S31803 Duplex only) | -- R 1 | d |
| 3" ANSI 1500 lb | (Tube material UNS S31803 Duplex only) | -- R 2 | d |
| 4" ANSI 150 lb | (Tube material SS316 / 316L dual certified only) | -- S D | n |
| 4" ANSI 300 lb | (Tube material SS316 / 316L dual certified only) | -- S E | n |
| 4" ANSI 600 lb | (Tube material SS316 / 316L dual certified only) | -- S F | n |
| 4" ANSI 900 lb | (Tube material UNS S31803 Duplex only) | -- S 1 | d |
| 4" ANSI 1500 lb | (Tube material UNS S31803 Duplex only) | -- S 2 | d |
| 80 A JIS 10 K | (Tube material SS316 / 316L dual certified only) (High temperature applications limited to 300°C/572°F) | -- Y G | k |
| 80 A JIS 20 K | (Tube material SS316 / 316L dual certified only) | -- Y H | k |
| 100 A JIS 10 K | (Tube material SS316 / 316L dual certified only) (High temperature applications limited to 300°C/572°F) | -- Z G | k |
| 100 A JIS 20 K | (Tube material SS316 / 316L dual certified only) | -- Z H | k |

TABLE III

| Sealing face | Description | Selection | Availability |
|--------------|--|-----------|--------------|
| | Standard (Type B1 for PN 40 and Type B2 for PN 63) | 0 | * |
| | EN 1092-1 Type C with tongue | C | * |
| | EN 1092-1 Type D with groove | D | * |
| | RTJ Acc ASME B16.5 (available with ASME 300lb & above) | E | s |
| | EN 1092-1 Type E with tongue | G | * |
| | EN 1092-1 Type F with groove | H | * |

TABLE IV

| Design | Description | Selection | Availability |
|---------|---|-----------|--------------|
| | Short Stem (max range -200 degc to +150 degc) | 0 _ | r |
| | Extended Stem (max range -200 degc to +230/400 degc) | K _ | * |
| Options | None | - 0 | * |
| | Insulation casing only (standard / high temp) Not available for design option '0' | - 1 | * |
| | Insulation casing only (cryogenic / low temperature) (available in SS only/not available for design option '0') | - 2 | f |
| | Liquid/steam heating jacket DN15 PN40 (10barg at 230°C, 5barg at 400°C/not for design option '0') | - 3 | * |
| | Liquid/steam heating jacket 1/2" ASME 150# (10barg at 230°C, 5barg at 400°C/not for design option '0') | - 5 | * |
| | Purge fittings 1/2" NPT-F | - A | * |

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.

TABLE V

| | | Selection | Availability |
|-----------------------------|---|-----------|--------------|
| Hazardous Area Approvals | None | 0 _ | * |
| | ATEX Ex ia (T1-T6) | 1 _ | * |
| | IEC Ex ia (T1-T6) | R _ | * |
| | cFMus Class 1 Div 1 (USA standards) | T _ | * |
| | cFMus (Canadian Standards) / Dual seal for liquids' | U _ | * |
| | cFMus (Canadian Standards) / Dual seal for gases' | V _ | * |
| Hygienic/Sanitary Approvals | None | _0 | * |
| | NACE according to MRO175 / ISO 15156 and MRO103 | _N | * |

TABLE VI

| | | | |
|----------------------|---|---------|----------|
| Configuration | Compact/integral mount (max 230°C) | 0 _ _ _ | * |
| | Remote/field mount Alu Junction box (Alu or SS mandatory for Cryogenic or High Temperature) | 1 _ _ _ | * |
| | Remote/field mount SS Junction box (Alu or SS mandatory for Cryogenic or High Temperature) | 2 _ _ _ | * |
| Calibration | Standard 3 point mass flow calibration | _0 _ _ | * |
| | 5 point mass flow calibration | _1 _ _ | * |
| | 3 point volume flow calibration | _3 _ _ | * |
| | 5 point volume flow calibration | _4 _ _ | * |
| | 0 + custom density calibration with water at 3 temps. + certificate | _A _ _ | * |
| | 1 + custom density calibration with water at 3 temps. + certificate | _B _ _ | * |
| | 1 + UKAS calibration certificate | _D _ _ | * |
| | 4 + UKAS calibration certificate | _E _ _ | * |
| | 10 point mass flow calibration bi-directional + UKAS certificate (CT meter Calibration) | _K _ _ | * |
| | 10 point volume flow calibration bi-directional + UKAS certificate* (CT meter Calibration) | _L _ _ | * |
| | 5 point mass flow 0.05% calibration + UKAS certificate (CT Calibration) | _R _ _ | * |
| | 5 point mass flow 0.05% calibration with volume acc. ISO10790 + UKAS certificate (CT Calibration) | _S _ _ | * |
| Process Requirements | None | _ _ 0 _ | * |
| | Degreasing wetted parts plus certificate | _ _ 1 _ | * |
| | Cryogenic (-200°C to 40°C/-328°F to 104°F) | _ _ C _ | g |
| | Cryogenic with Degreasing (C+1) | _ _ D _ | g |
| | High Temperature (-50°C to 400°C/-58°F to 752°F) (remote conv'tr & insulation/heat. jacket only) | _ _ T _ | h |
| Extended Options | Without | _ _ _ 0 | * |
| | Without for gas applications below 10 bar (not for cFMus) | _ _ _ 1 | m |
| | Burst Disk for Gas applications (mandatory for cFMus and all gas applications above 10barg) | _ _ _ G | * |

TABLE VII

| | | | |
|--------------|------|---|---|
| No Selection | None | V | * |
|--------------|------|---|---|

TABLE VIII

| | | | |
|----------------|---|--|----------|
| Converter Type | TWC 9400 Compact Mount (Not for High Temperature) | Requires a separate MSG# to be entered. Either CM96 or CM97 | |
| | TWC 9400 Field Mount | 6_ | q |
| Destination | Other | 7_ | t |
| | | _0 | * |

TABLE IX

| | | | |
|-------------------|---------|---|---|
| Functional Safety | Without | 0 | * |
|-------------------|---------|---|---|

RESTRICTIONS

| Restriction Letter | Available only with | | Not available with | |
|--------------------|---------------------|--|--------------------|----------------|
| | Table | Selection | Table | Selection |
| b | II | D _ _ _ | | |
| d | II | D _ _ _ | | |
| | III | 0, E | | |
| f | II | S _ _ _ | IV | 0_ |
| | | | VI | 0 |
| | | | VI | _0_ _1_ |
| g | | | IV | _1_ _3_ _5 |
| h | VI | 1 _ _ _ , 2 _ _ _ | IV | 0 |
| | | | IV | _0_ _A |
| i | II | S _ _ _ | | |
| k | II | S _ _ _ | | |
| | III | 0 | | |
| m | | | VI | _K_ _L_ |
| n | II | S _ _ _ | | |
| | III | 0, E | | |
| q | VI | 0 _ _ _ | | |
| | | | VI | _ _ T _ |
| r | | | IV | _1_ _2_ _3_ _5 |
| s | II | _ _ RE, _ _ RF, _ _ R1, _ _ _ R2, _ _ SE, _ _ SF, _ _ _ S1, _ _ S2 | | |
| t | | | VI | 0 _ _ _ |