

# GEFRAN MELT PRESSURE AND TEMPERATURE MONITORING SYSTEM

1/4 DIN



The pressure/temperature configuration requires only one mounting hole for the measurement of both process values.

## Main features

The M92 is a melt pressure and temperature monitoring system which comes complete with the following items:

- M32-6-M-xxxx-1-4-D-000 (melt pressure transducer with type "J" thermocouple)
- 40TB-10-RRR-2-0-1 (1/4 DIN pressure and temperature indicator)
- C08WLS (25 foot 6-pin cable)
- SF18 (mounting bracket)

### Indicator:

- Economically priced
- Displays pressure in a 4-digit LED display
- Auto zero
- Auto span
- Auto calibration
- 2 alarms with adjustable setpoint
- Touch-type keypad
- Built-in strain gauge bridge excitation
- Filter for digit stabilization
- Coded access for user lockout

### Transducer:

- Better than  $\pm 0.50\%$  accuracy
- Fluid-filled system for temperature stability
- 80% output signal for easy calibration
- 15-5 PH stainless steel diaphragm with GTP coating

The M92 is an excellent solution for those who wish to have the accuracy and stability of a transducer and digital indicator at a great price.

## TECHNICAL SPECIFICATIONS

See data sheets for M32 and 40TB-10-RRR-2-0-1 for more information.

## ACCESSORIES

### Connectors

6-pin mating connector (IP65 protection degree) .....CON300

### Extension cables

6-pin connector with 8m (25ft) cable .....C08WLS (standard)

6-pin connector with 15m (50ft) cable .....C15WLS \*

6-pin connector with 25m (75ft) cable .....C25WLS \*

6-pin connector with 30m (100ft) cable .....C30WLS \*

\* Consult factory for ordering and pricing

### Accessories

Mounting bracket .....SF18

Dummy plug for 1/2-20UNF .....SC12

Drill kit for 1/2-20UNF .....KF12

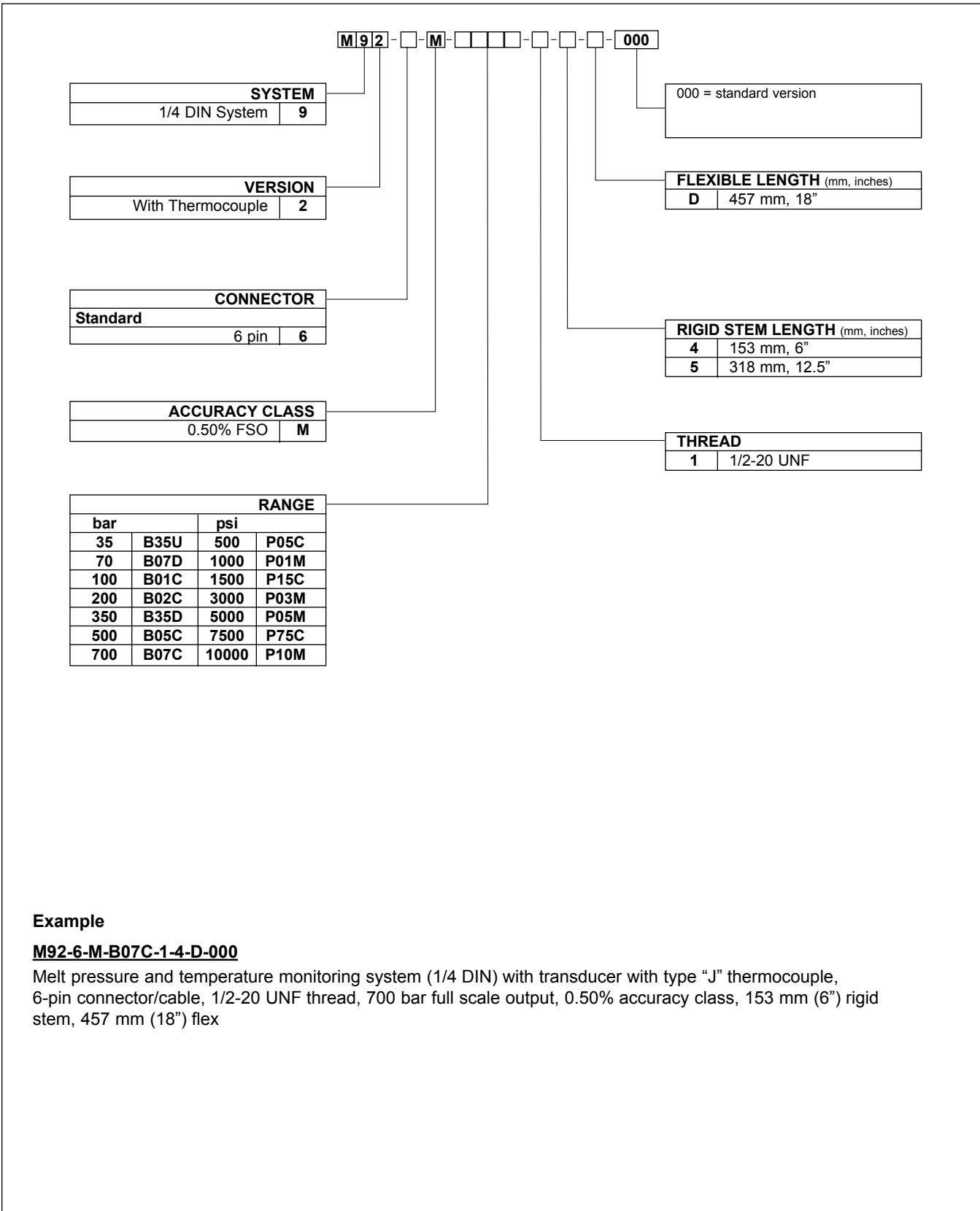
Cleaning kit for 1/2-20UNF .....CT12

Thermocouple for M32 model: Type "J" (153 mm [6"] stem) ..TTER718

### Cable Wiring Code

| Function | Wire  |
|----------|-------|
| Sig (+)  | Red   |
| Sig (-)  | Black |
| Exc (+)  | White |
| Exc (-)  | Green |
| Cal      | Blue  |
| Cal      | Brown |

# ORDER CODE



| SYSTEM         |   |
|----------------|---|
| 1/4 DIN System | 9 |

| VERSION           |   |
|-------------------|---|
| With Thermocouple | 2 |

| CONNECTOR |   |
|-----------|---|
| Standard  |   |
| 6 pin     | 6 |

| ACCURACY CLASS |   |
|----------------|---|
| 0.50% FSO      | M |

| RANGE |      |       |      |
|-------|------|-------|------|
| bar   |      | psi   |      |
| 35    | B35U | 500   | P05C |
| 70    | B07D | 1000  | P01M |
| 100   | B01C | 1500  | P15C |
| 200   | B02C | 3000  | P03M |
| 350   | B35D | 5000  | P05M |
| 500   | B05C | 7500  | P75C |
| 700   | B07C | 10000 | P10M |

000 = standard version

| FLEXIBLE LENGTH (mm, inches) |             |
|------------------------------|-------------|
| D                            | 457 mm, 18" |

| RIGID STEM LENGTH (mm, inches) |               |
|--------------------------------|---------------|
| 4                              | 153 mm, 6"    |
| 5                              | 318 mm, 12.5" |

| THREAD |            |
|--------|------------|
| 1      | 1/2-20 UNF |

### Example

#### **M92-6-M-B07C-1-4-D-000**

Melt pressure and temperature monitoring system (1/4 DIN) with transducer with type "J" thermocouple, 6-pin connector/cable, 1/2-20 UNF thread, 700 bar full scale output, 0.50% accuracy class, 153 mm (6") rigid stem, 457 mm (18") flex

GEFRAN reserves the right to make any kind of design or functional modification at any moment without prior notice.