

F600AT

GRAPHIC DISPLAY/TOUCH PANEL TYPE WEIGHING INDICATOR



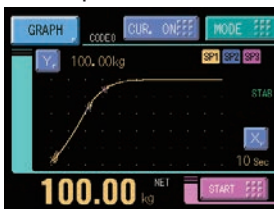
- 3.5 inch color LCD module & touch panel
Weight is graphically displayed in real time. The color LCD and touch panel are equipped with backlight for improved visibility on guidance messages so that setting can be performed without the instruction manual.
- Memory for 8 types of codes
Up to 8 kinds of setting values such as final value can be saved, the code selection can be done via external signal.
- Direct PLC connection
DeviceNet and CC-Link can directly connect to PLC.
- DIN-size
DIN-size 192 x 96 for easy installation

Setting Screen



Easy setting by touch panel

Graphic Screen

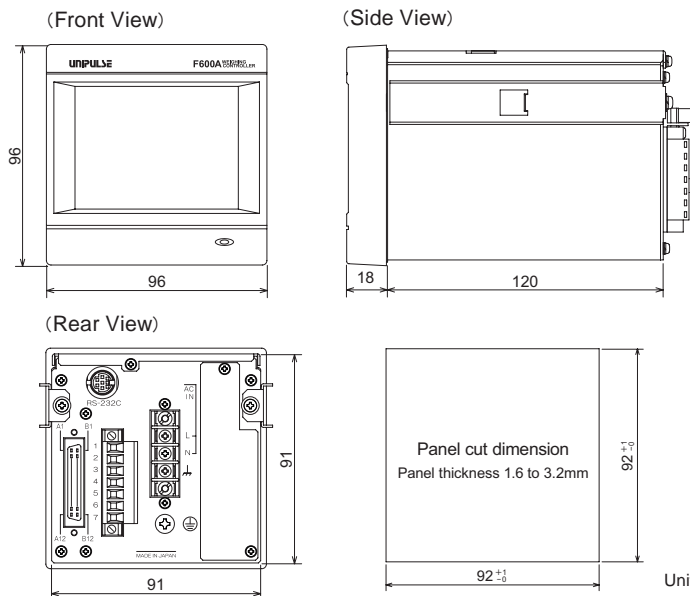


Real time weight trend display

Exclusive PC application for setup

With RS-232C interface that allow you to read, write, save and retrieve parameter settings with a PC.

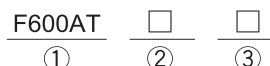
External dimension



Specification

| | | |
|------------------------|---|--|
| ANALOG | Excitation voltage | DC10V±5% Output current: Within 120mA Remote sense type (Up to 4 350Ω load cells can be connected in parallel.) |
| | Signal input range | -0.2 to 3.0mV/V |
| | Zero adjustment range | -0.2 to 3.0mV/V Automatic adjustment by digital processing |
| | Gain adjustment | Automatic adjustment by digital processing |
| DISPLAY | Accuracy | Non-linearity: Within 0.02%/FS ±1digit (At 3.0mV/V input) Zero drift: Within 0.25μV/°C RTI Gain drift: Within 25ppm/°C |
| | Analog filter | Bessel type low-pass filter (-12dB/oct) Selectable from 2, 4, 6, 8Hz |
| | A/D converter | Speed: 100times/sec. Resolution: 24bit |
| | Display | TFT color LCD module Display area: 71 (W) × 53 (H) mm 320 × 240dot |
| EXTERNAL SIGNAL | Measured value | 5 digits Sign: Minus sign on most significant digit |
| | Unit | Selectable from t, kg, g, N, lb, none |
| | Status display | NET/GROSS / HOLD / STAB / ZT / ZALM / NZ / HH*1 / HI*1*3 / GO*1 / LO*1*3 / LL*1 / SP1*2*3 / SP2*2*3 / SP3*2*3 / COMPLETE*2*3 / OVER*2 / UNDER*2 *1 Display at HI/LO limit comparison mode *2 Display at Final discharge-Over/Under comparison mode *3 Display at Final discharge-HI/LO limit comparison mode |
| | External output signal (9) | At HI/LO limit comparison mode HH / HI / GO / LO / LL / NZ / ERR / STAB At Final discharge mode SP1 / SP2 / SP3 / COMPLETE / OVER/HI / UNDER/LO / NZ / ERR / STAB Transistor open collector output. (Emitter = COM terminal) The output turns to LOW when the transistor turns ON. Vceo=30V (max), Ic=50mA (max) |
| INTERFACE | External input signal (11) | D/Z / TARE ON / TARE OFF / HOLD or JUDGE / Feed/Discharge / Gross/Net switching / CODE select/KEY LOCK / START / STOP ON when shorted with COM terminals by contact (relay, switch, etc.) or non-contact (transistor, TTL open-collector output, etc.) Ic=10mA or lower |
| | SIF: 2-wire type serial interface | |
| | 232: RS-232C communication interface | |
| | BCO: BCD parallel data output interface (Option) | |
| GENERAL SPECIFICATIONS | DAV: D/A converter voltage output (Option) | |
| | DAI: D/A converter current output (Option) | |
| | ODN: DeviceNet interface (Option) | |
| | CCL: CC-Link interface (Option) | Only 1 option can be installed |
| ATTACHMENTS | Power supply voltage | AC100 to 240V (+10% -15%) (Free power source 50/60Hz) DC24V (±15%) (For DC, please specify when ordering) |
| | Power consumption | 4W typ. |
| | Operation condition | Temperature: Operating temperature range: -10 to +40°C Storage temperature range: -20 to +60°C Humidity: 80%RH or less (non-condensing) |
| | External dimension | 96(W) × 96(H) × 138(D) mm (not including protrusions) |
| OPTIONAL ACCESSORIES | Weight | App. 1.0kg |
| | AC input cord* (Nominal rating 125V) 3m | 1 |
| | Jumper wire | 2 |
| | FCN series I/O connector (with cover) | 1 |
| | Mini driver (when D/A converter option is selected) | 1 |
| | BCD output connector (when BCD output option is selected) | 1 |
| | DeviceNet connector (when DeviceNet option is selected) | 1 |
| | CC-Link connector (when CC-Link option is selected) | 1 |
| | Operation manual | 1 |
| | *To be attached only for AC specifications. | |
| CA372-I/O: | Cable with FCN connector at one-end 3m | |
| CA600-BCDCNV: | FCN connector 32p-57·36p cable 0.3m | |
| CA81-232X: | miniDIN-D-Sub9p cross cable 1.5m | |
| CA325AC3P-B3: | AC input cord 3m | |
| CA325AC3P-CEE7/7-B2: | AC input cord (Voltage resistance: 250V) 2m | |
| CN50: | FCN series I/O connector (with cover) | |
| CN51: | BCD output connector | |
| CN55: | FCN series I/O connector (with diagonal cover) | |
| CN60: | Round DIN8p connector for RS-232C | |
| CN71: | CC-Link connector | |
| CN72: | Double row connector for CC-Link | |
| CN80: | Analog I/O connector terminal | |
| CND01: | DeviceNet connector | |
| DTC2-PSL: | Special case | |
| GMP96×96: | Rubber packing | |

Structure of product code



① Standard unit

② Power supply

| Sign | Power supply |
|----------|----------------------|
| Standard | AC100 to 240V (Free) |
| DC | DC24V |

③ Interface

| Sign | Interface |
|----------|--------------|
| Standard | SIF, RS-232C |

↓ One optional interface can be added in addition to the standard interface.

| | |
|-----|-------------------------|
| BCO | BCD output (Sink type) |
| DAV | D/A converter (Voltage) |
| DAI | D/A converter (Current) |
| ODN | DeviceNet |
| CCL | CC-Link |