

Product sheet

JCT-1200

Junction box

FEATURES

- Local display and console for basic configuration and operation of the transmitter
- Connection point between the transmitter and the DCS (Distributed Control System)
- Local connection for a hand-held BTG SPC-1000 terminal, for a laptop PC with BTG's SPCwin program, or for a standard HART® terminal

BENEFITS

- Fieldbus communication interface (optional)
- Large illuminated display for easy reading
- Provides full setting of the transmitter
- Protected from overflow and sun



GENERAL / BACKGROUND

The JCT-1200 junction box is delivered as a complete unit from BTG, normally in conjunction with a transmitter.



Use QR-code or link for more information
www.btg.com/mybtg/en/instruments/sbt-2400

TECHNICAL DATA / SPECIFICATIONS

GENERAL

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|-----------------------------|---|
| Type | JCT-1200, junction box |
| Manufacturer | BTG Instruments AB, Säffle, Sweden |
| Measuring range | Four separate, individually programmable ranges. Externally connectable, using binary-coded optocoupler inputs. Also accessible via the communications link |
| Analog output signal | 4-20 mA transferred from the transmitter. Current limited to 21 mA |
| Flow Velocity | Superimposed signal according to standard HART® protocol |
| Fieldbus | Profibus PA (optional) Foundation Fieldbus (optional) |
| Analog Input | 0 / 4-20 mA |
| Alarm signal | Optocoupler output |
| Sample Input | Logical switch for use with a manual pulp sampler |
| Max. loop resistance | With HART-filter: 750 Ohm. Without HART-filter: 1000 Ohm (Standard setting) |
| Min. loop resistance | 250 Ohm |
| User interface | Illuminated display. Buttons for adjustment of transmitter settings |
| Communication | RS-485 for communication between the transmitter and the junction box. Supports usage of the BTG SPC-1000 hand-held terminal. |

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| Ambient temperature | Supports HART® universal commands through local connection with a standard HART® terminal. Max 45°C [113°F] Min 0 °C [32°F] |
| Storage temperature | Min. -20°C [-4°F] |
| Power supply | 2-wire/3-wire supply: 20-35 V DC 4-wire supply (SELV/PELV/NEC class 2 Puls power supply unit): 100-240 V AC, 50/60 Hz (optional) |
| Transmitter connection | Complete cable with transmitter connector included in delivery. Standard length: 10 m [33 ft]. Other lengths on request. Max. 100 m [330 ft] |
| Degree of protection | Equivalent to IP55/NEMA 4x |
| Materials | Electronics enclosure: Polycarbonate thermo plastic Cable fittings: Polyamide thermo plastic |
| Weight | Electronics enclosure 0.8 kg [1.8 lbs] |
| Pollution degree | 2 |

SAFETY & DIRECTIVES

Safety and protection class

Product safety CE, C-tick, ETL

EU-directives

Designed in accordance with relevant CE standards.

Quality Assurance

Quality-assured in accordance with ISO 9001.

YOUR LOCAL BTG OFFICE



Use QR-code or link for more information

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DIMENSION DRAWINGS

