

### 1-2-3 Comparison between NT20S, NT20M, and NT20

The NT20 is a unitary PT which incorporates a system ROM, screen memory, and a host I/F unit (Host link, NT link, RS-232C, and C200H direct communications) as the standard equipment in one body.

The NT20 has the following features which are different from those of existing NT20/NT20S:

Function	NT20S	NT20M-DT121-V2	NT20
Communications	<ul style="list-style-type: none"> <li>• Host link/NT link incorporated NT20S-ST121-EV3</li> <li>• C200H direct communications incorporated NT20S-ST122-V1</li> <li>• RS-232C incorporated NT20S-ST128 (other host I/F units cannot be connected)</li> </ul>	Host I/F units are required.	<ul style="list-style-type: none"> <li>• Host link/NT link</li> <li>• C200H direct communications Host I/F unit for C200H communications is required.</li> <li>• RS-232C incorporated NT20-ST128 (other host I/F units can not be connected)</li> </ul>
Communications connector	<ul style="list-style-type: none"> <li>• The communications connector (9-pin) for a Host is shared with that for the Support Tool. (NT20S-ST121-EV3/ST128)</li> <li>• Connectors for Support Tool (9-pin) and Host connections on the rear face (NT20S-ST122-V1).</li> </ul>	The Support Tool connector (9-pin) is located on the front. The Host connector (25-pin) is located on the back.	<ul style="list-style-type: none"> <li>• The communications connector (9-pin) for a Host is shared with that for the Support Tool. (Port A)</li> <li>• The communications connector (9-pin) for a Host (Port B)</li> </ul>
Host RUN input terminal/Alarm output terminal	Not provided	Provided	Not provided
System keys	Not provided	Provided	Not provided
Contrast control	Back	Front	Back
Waterproof performance	Equivalent to oil-resistant IP65	Conforms to IP54F.	Equivalent to oil-resistant IP65
Allowable momentary power interruption time	Not guaranteed	5 ms	Not guaranteed
System ROM	Built in (not replaceable)	System ROM compatible with host I/F unit is required.	Flash ROM rewriteable
Resume function	Not provided	Provided	Not provided
History retaining function	Not provided	Provided	Not provided
Screen transfer	○	○ (Only possible if screen data memory is an SRAM)	○
Screen data compatibility	○ (Note)	—	○ (Note)
PLC ladder compatibility	○	—	○
Backlight replacement	○	Possible with NT20M-DT131.	Do not need
Screen data memory	Built in (flash ROM only)	Optional (select from EPROM, SRAM, and EEPROM)	Built in (Flash ROM)
Screen data memory capacity	96KB	128 KB max.	512 KB
Outside dimensions	190 × 110 × 58 mm	220 × 110 × 82 mm	190 × 108 × 53.5 mm

**Note** If a system key function is required on continuous screens or for numerical setting or buzzer stop, use the Support Tool and set the touch switches which have the system key function in such screens.

For details, refer to 4-7-3 *System Key Functions* on page 154.