

Table A.20 General Specifications for Analog Modules

Specification	1762-IF20F2	1762-IF4	1762-OF4	1762-IR4	1762-IT4
Shipping weight, approx. (with carton)	240 g (0.53 lbs.)		235 g (0.517 lbs.)	260 g (0.57 lbs.)	220 g (0.53 lbs.)
Bus current draw, max.	40 mA at 5V dc 105 mA at 24V dc	40 mA at 5V dc 50 mA at 24V dc	40 mA at 5V dc 165 mA at 24V dc	40 mA at 5V dc 50 mA at 24V dc	40 mA at 5V dc 50 mA at 24V dc
Analog normal operating range	Voltage: 0...10V dc Current: 4...20 mA	Voltage: -10...+10V dc Current: 4...20 mA	Voltage 0...10V dc Current: 4...20 mA	NA	NA
Full scale ⁽¹⁾ analog ranges	Voltage: 0...10.5V dc Current: 0...21 mA	Voltage: -10.5...+10.5V dc Current: -21...+21 mA	Voltage: 0...10.5V dc Current: 0...21 mA	NA	NA
Resolution	12 bits (unipolar)	15 bits (bipolar) ⁽⁴⁾	12 bits (unipolar)	Input filter and configuration dependent	15 bits plus sign
Repeatability ⁽²⁾	±0.12% ⁽⁴⁾	±0.12% ⁽⁴⁾	±0.12% ⁽⁴⁾	±0.1 °C (±0.18 °F) for Ni and NiFe ±0.2 °C (±0.36 °F) ... ±0.2 °C (±0.36 °F) for other RTD inputs ±0.04 ohm for 150 ohm resistances ±0.2 ohm for other resistances	See Table A.24 on page A-20.
Input and output group to system isolation	30V ac/30V dc rated working voltage ⁽³⁾ (N.E.C. Class 2 required) (IEC Class 2 reinforced insulation) type test: 500V ac or 707V dc for 1 minute		30V ac/30V dc rated working voltage (IEC Class 2 reinforced insulation) type test: 500V ac or 707V dc for 1 minute	30V ac/30V dc working voltage type test: 500V ac or 707V dc for 1 minute	30V ac/30V dc working voltage qualification test: 720V dc for 1 minute
Vendor I.D. code	1	1	1	1	1
Product type code	10	10	10	10	10
Product code	75	67	66	65	64

(1) The over- or under-range flag comes on when the normal operating range (over/under) is exceeded. The module continues to convert the analog input up to the maximum full scale range.

(2) Repeatability is the ability of the module to register the same reading in successive measurements for the same signal.

(3) Rated working voltage is the maximum continuous voltage that can be applied at the terminals with respect to earth ground.

(4) Only applicable to Series B I/O modules.