

Technical Brief

Giga-tronics Power Sensor Cables Length Selection Guide

The Giga-tronics 8540C and 8650B Universal Power Meters include the standard 1.5 Meter (5 ft) power sensor cable, P/N 20954-001. The single channel models include one cable. The dual channel models include two cables.

Longer power sensor cables are available for applications requiring the additional cable length. Table 1) below lists the power sensor cables with their Giga-tronics part numbers.

All power sensors will work with the 1.5 M (5 ft) and 3 Meter (10 ft) power sensor cable. Most, but not all, power sensors will work with the 7.6 Meter (25 ft) power sensor cable. Some, but not all, power sensors will work with the 15 M (50 ft) power sensor cable. Refer to Table 2) and Table 3) for the specific power sensor and cable application.

Note: The 20954-005 cable is no longer available. The discontinued 20954-005 was for certain customer-specific applications, and required special system configuration testing.

Table 1) Power Sensor Cable Selection

Power Sensor Cable Part Number	Description
20954-001	1.5 M (5 FT) Power Sensor Cable (Standard)
20954-002	3.0 M (10 FT) Power Sensor Cable
20954-003	7.6 M (25 FT) Power Sensor Cable
20954-004	15 M (50 FT) Power Sensor Cable
20954-005	30 M (100 FT) Power Sensor Cable (Discontinued)

Table 2) 8540C Power Meter / Power Sensor Cable Application

Power Sensors	Applicable Power Sensor Cable				
	20954-001	20954-002	20954-003	20954-004	20954-005
803xx CW	Yes	Yes	Yes	Yes	No
8035x Peak	Yes	Yes	Yes	No	No
804xx Mod	Yes	Yes	Yes	Yes	No
806xx Mod	Yes	Yes	Yes	Yes	No

Table 3) 8650B Power Meter / Power Sensor Cable Application

Power Sensors	Applicable Power Sensor Cable				
	20954-001	20954-002	20954-003	20954-004	20954-005
803xx CW	Yes	Yes	Yes	Yes	No
8035x Peak	Yes	Yes	Yes	No	No
804xx Mod	Yes	Yes	Yes	Yes	No
806xx Mod	Yes	Yes	Yes	Yes	No
80701 Mod	Yes	Yes	No	No	No
81305 CW	Yes	Yes	No	No	No

Note: Also see **AN-GT142A**, Tech Brief, Giga-tronics Power Sensor Cables and Adapters